

# SERVICE MANUAL

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STEREO AV RECEIVER

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## SPECIFICATIONS

### FM tuner section

<b>Tuning range</b>	87.5 MHz to 108 MHz
<b>Usable sensitivity (IHF)</b>	13.2 dBf
<b>Antenna terminals</b>	75 ohms (unbalanced)

### AM Tuner section

<b>Tuning range</b>	530 kHz to 1710 kHz (10 kHz step) 531 kHz to 1602 kHz (9 kHz step)
<b>Usable sensitivity</b>	350 µV/m
<b>Antenna</b>	Loop antenna

### Amplifier section

<b>Power output</b>	<b>[Stereo Mode]</b> <b>Front</b> 160 watts per channel, Min. RMS at 8 ohms, from 40 Hz to 20 kHz, with no more than 0.9 % Total Harmonic Distortion <b>[Dolby Digital Surround or Dolby Pro Logic Mode]</b> <b>Front</b> 100 watts per channel, Min. RMS at 8 ohms, from 40 Hz to 20 kHz, with no more than 0.9 % Total Harmonic Distortion <b>Rear (Surround)</b> 100 watts per channel, Min. RMS at 8 ohms, 1 kHz, with no more than 0.9 % Total Harmonic Distortion <b>Center</b> 100 watts, Min. RMS at 8 ohms, 1 kHz, with no more than 0.9 % Total Harmonic Distortion <b>Inputs</b> 0.15 % (80 W, 1kHz, 8 ohms, Front AUDIO IN PHONO : 2.5mV, adjustable (47 kohms) VIDEO 1/DVD/MD, VIDEO 2/LD/TV, VIDEO 3, CD : 300mV, adjustable (47 kohms) TAPE MONITOR : 350mV, adjustable (47 kohms) AUX : 250 mV, adjustable (47 kohms) DIGITAL IN COAXIAL (VIDEO 2) : OPTICAL (VIDEO 1) : OPTICAL (VIDEO 3) : accept linear PCM (32 kHz, 44.1 kHz and 48 kHz) signals and bit stream of Dolby Digital Surround VIDEO IN : 1 Vp-p (75 ohms)
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### Outputs

AUDIO OUT (REC OUT) : 300 mV (1 kohm)  
 VIDEO OUT (MONITOR) : 1 Vp-p (75 ohms)  
 SUPER WOOFER : 5.0 V  
 FRONT SPEAKERS IMP : 8 ohms (front speakers A and B ) : accepts speakers of 8 ohms or more  
 SURROUND SPEAKERS IMP : 8 ohms (surround speakers) : accepts speakers of 8 ohms or more  
 CENTER SPEAKER IMP : 8 ohms : accepts speaker of 8 ohms or more  
 PHONES (stereo jack) : accepts headphones of 32 ohms or more  
 -20 dB


### Muting

### General

<b>Power requirements</b>	120 V AC, 60 Hz
<b>Power consumption</b>	200 W
<b>Power consumption in standby mode</b>	ECO OFF : 39.3 W ECO ON : 1.35 W
<b>Dimensions (W x H x D)</b>	430 x 155 x 392.5 mm (17 x 6 <sup>1</sup> / <sub>8</sub> x 15 <sup>1</sup> / <sub>2</sub> in.)
<b>Weight</b>	11.5 kg (25 lb 6 OZ.)

• Design and specifications are subject to change without notice.

• Manufactured under license from Dolby Laboratories Licensing Corporation.

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## ACCESSORIES / PACKAGE LIST

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8A-AR2-903-010		IB,U(ESF)M
2	87-006-225-010		ANT,LOOP ANT NC2
3	87-043-115-010		FEEDER-ANT,FM
4	8A-AR2-701-010		RC UNIT,RC-AAR02 BLK

# ELECTRICAL MAIN PARTS LIST

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
IC			
	87-A21-419-040	C-IC, NJM14558MD-TE2	
	87-A21-501-010	C-IC, YSS902	
	87-A21-503-010	C-IC, AK4527VQ	
	87-020-903-010	IC, NJM7805FA	
	87-017-022-080	C-IC, NJM2068M-D (T1)	
	87-020-784-080	C-IC, TC4053BF	
	87-A20-870-010	IC, GP1F37R	
	87-001-604-080	C-IC, TC74HCU04M	
	87-002-298-080	C-IC, TC74HC00AF	
	87-A20-736-010	IC, BA033ST	
	87-A21-499-040	C-IC, SN74HC153A	
	87-A21-502-010	C-IC, YSD917	
	87-A20-715-010	IC, M62439SP	
	87-017-726-080	C-IC, BU4052BCF	
	87-A21-202-040	C-IC, M62445AFP	
	87-A21-481-040	C-IC, HD74HC4051FP	
	87-017-915-080	C-IC, BU4094BCF	
	8A-AR3-601-110	C-IC, UPD780228GF-071	
	87-070-083-010	IC, GP1U281X	
	87-A20-820-010	IC, BA7625	
	87-017-917-080	C-IC, BU4066BCF	
	87-A20-913-010	IC, LA1837NL	
	87-070-127-110	IC, LC72131D	

## TRANSISTOR

87-A30-197-080	TR, KTA1267GR
87-026-245-080	TR, DTC114ES
87-A30-198-080	TR, KTC3199GR
89-110-372-080	C-TR, 2SA1037K (R)
87-A30-071-080	C-TR, RT1N 144C
89-213-702-010	TR, 2SB1370E
87-A30-083-080	TR, CSD1489B
87-A30-085-040	C-TR, CSA1362GR
87-A30-075-080	C-TR, 2SA1235F
87-A30-076-080	C-TR, 2SC3052F
87-A30-074-080	C-TR, RT1P 141C
87-026-610-080	TR, KTC3198GR
87-A30-073-080	C-TR, RT1N 141C
87-A30-086-070	C-TR, CSD1306E
87-026-609-080	TR, KTA1266GR
87-A30-257-080	C-TR, 2SD1306E
87-A30-107-070	C-TR, CMBT5401
87-A30-190-080	TR, CC5551
87-A30-097-010	TR, FN1016
87-A30-098-010	TR, FP1016
87-A30-106-070	C-TR, CMBT5551
87-A30-186-010	FET, 2SK3053
87-A30-072-080	C-TR, RT1P 144C
87-026-236-080	C-TR, DTC124EK
87-026-232-080	C-TR, DTA144WK
87-026-608-080	C-TR, DTC123JK
89-112-965-080	TR, 2SA1296GR
87-A30-087-080	C-FET, 2SK2158
89-327-143-080	TR, 2SC2714O
87-A30-196-080	TR, 2SC4115SRS

## DIODE

87-020-465-080	DIODE, 1SS133
87-A40-291-080	DIODE, 1N4148M (CPT)
87-A40-345-080	ZENER, MTZJ10C
87-A40-269-080	C-DIODE, MC2836
87-A40-115-060	DIODE, RS603M
87-A40-270-080	C-DIODE, MC2838
87-A40-004-080	ZENER, MTZJ16A
87-A40-335-080	ZENER, MTZJ11C T-72
87-A40-224-010	DIODE, GBU8DL
87-070-274-080	DIODE, 1N4003 SEM

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
	87-A40-435-080		ZENER, MTZJ30D
	87-A40-347-080		ZENER, MTZJ2.2B
	87-A40-341-080		ZENER, MTZJ36A
	87-A40-646-010		DIODE, FMB-G16L
	87-070-136-080		ZENER, MTZJ5.1B
	87-A40-344-080		ZENER, MTZJ6.2C
	87-A40-488-080		DIODE, 1SS244
	87-A40-348-080		ZENER, MTZJ3.3A
	87-A40-438-080		ZENER, MTZJ4.7A
	87-017-931-080		ZENER, MTZJ5.6B
	87-017-148-080		ZENER, HZS6A1L
MAIN C.B			
C101	87-010-235-080		CAP, E 470-16 M SME
C102	87-010-235-080		CAP, E 470-16 M SME
C103	87-010-384-080		CAP, E 100-25 M 11L SME
C104	87-016-128-080		CAP, E 22-25 M 105 KME
C105	87-010-247-080		CAP, E 100-50 M SME
C106	87-010-384-080		CAP, E 100-25 M 11L SME
C107	87-010-263-080		CAP, E 100-10 M 11L SME
C108	87-012-140-080		C-CAP, S 470P-50 J CH
C109	87-012-368-080		C-CAP, S 0.1-50 Z F
C110	87-012-368-080		C-CAP, S 0.1-50 Z F
C111	87-012-368-080		C-CAP, S 0.1-50 Z F
C112	87-012-368-080		C-CAP, S 0.1-50 Z F
C113	87-016-658-090		CAP, E 4700-35 M SMG
C114	87-016-658-090		CAP, E 4700-35 M SMG
C115	87-012-368-080		C-CAP, S 0.1-50 Z F
C116	87-012-368-080		C-CAP, S 0.1-50 Z F
C117	87-012-368-080		C-CAP, S 0.1-50 Z F
C118	87-012-368-080		C-CAP, S 0.1-50 Z F
C119	87-A10-416-090		CAP, E 6800-80 SMG VB
C120	87-A10-416-090		CAP, E 6800-80 SMG VB
C121	87-010-260-080		CAP, E 47-25 M 11L SME
C122	87-010-403-080		CAP, E 3.3-50 M 11L SME
C123	87-010-385-080		CAP, E 220-25 M SME
C124	87-010-385-080		CAP, E 220-25 M SME
C125	87-010-247-080		CAP, E 100-50 M SME
C126	87-010-263-080		CAP, E 100-10 M 11L SME
C127	87-010-197-080		C-CAP, S 0.01-25 K B C2012
C128	87-010-197-080		C-CAP, S 0.01-25 K B C2012
C131	87-010-544-080		CAP, E 0.1-50 M 11L SME
C133	87-010-404-080		CAP, E 4.7-50 M 11L SME
C135	87-012-368-080		C-CAP, S 0.1-50 Z F
C136	87-012-368-080		C-CAP, S 0.1-50 Z F
C143	87-A10-712-080		C-CAP, S 0.22-50 Z F
C144	87-A10-712-080		C-CAP, S 0.22-50 Z F
C149	87-010-154-080		C-CAP, S 10P-50 D CH GRM
C150	87-010-154-080		C-CAP, S 10P-50 D CH GRM
C153	87-010-401-080		CAP, E 1-50 M 11L SME
C154	87-010-401-080		CAP, E 1-50 M 11L SME
C155	87-010-196-080		C-CAP, S 0.1-25 Z F C2012
C156	87-010-196-080		C-CAP, S 0.1-25 Z F C2012
C157	87-010-408-080		CAP, E 47-50 M 11L SME
C158	87-010-248-080		CAP, E 220-10 M 11L SME
C159	87-010-154-080		C-CAP, S 10P-50 D CH GRM
C169	87-010-154-080		C-CAP, S 10P-50 D CH GRM
C170	87-010-154-080		C-CAP, S 10P-50 D CH GRM
C171	87-010-196-080		C-CAP, S 0.1-25 Z F C2012
C172	87-010-154-080		C-CAP, S 10P-50 D CH GRM
C173	87-010-405-080		CAP, E 10-50 M 11L SME
C174	87-010-401-080		CAP, E 1-50 M 11L SME
C175	87-010-196-080		C-CAP, S 0.1-25 Z F C2012
C203	87-010-178-080		C-CAP, S 1000P-50 K B C2012
C204	87-010-178-080		C-CAP, S 1000P-50 K B C2012
C205	87-010-405-080		CAP, E 10-50 M 11L SME
C206	87-010-405-080		CAP, E 10-50 M 11L SME
C209	87-010-406-080		CAP, E 22-50 M 11L SME

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C210	87-010-406-080		CAP,E 22-50 M 11L SME	C413	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C211	87-010-322-080		C-CAP,S 100P-50 J CH GRM	C414	87-010-178-080		C-CAP,S 1000P-50 K B C2012
C212	87-010-322-080		C-CAP,S 100P-50 J CH GRM	C416	87-016-299-080		CAP,E 10-100 M SME
C215	87-A10-897-080		CAP,E 100-25 BP SME	C420	87-A10-354-080		C-CAP,S 0.047-50 K B
C216	87-A10-897-080		CAP,E 100-25 BP SME	C485	87-010-186-080		C-CAP,S 4700P-50 K B C2012
C217	87-A10-516-080		C-CAP,S 100P-200 J CH	C491	87-012-368-080		C-CAP,S 0.1-50 Z F
C218	87-A10-516-080		C-CAP,S 100P-200 J CH	C492	87-012-368-080		C-CAP,S 0.1-50 Z F
C221	87-016-526-080		C-CAP,S 0.47-16 BK	C493	87-010-190-080		C-CAP,S 0.01-50 Z F C2012
C222	87-016-526-080		C-CAP,S 0.47-16 BK	C501	87-010-404-080		CAP,E 4.7-50 M 11L SME
C223	87-010-402-080		CAP,E 2.2-50 M 11L SME	C502	87-010-404-080		CAP,E 4.7-50 M 11L SME
C224	87-010-402-080		CAP,E 2.2-50 M 11L SME	C503	87-012-157-080		C-CAP,S 330P-50 J CH GRM
C225	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	C504	87-012-157-080		C-CAP,S 330P-50 J CH GRM
C226	87-016-251-080		CAP,E 220-16 M SMG	C511	87-010-404-080		CAP,E 4.7-50 M 11L SME
C227	87-010-178-080		C-CAP,S 1000P-50 K B C2012	C512	87-010-404-080		CAP,E 4.7-50 M 11L SME
C228	87-010-178-080		C-CAP,S 1000P-50 K B C2012	C513	87-010-260-080		CAP,E 47-25 M 11L SME
C229	87-016-251-080		CAP,E 220-16 M SMG	C514	87-010-260-080		CAP,E 47-25 M 11L SME
C230	87-A10-354-080		C-CAP,S 0.047-50 K B	C515	87-010-370-080		CAP,E 330-6.3 M SME
C231	87-A10-354-080		C-CAP,S 0.047-50 K B	C516	87-010-370-080		CAP,E 330-6.3 M SME
C285	87-010-186-080		C-CAP,S 4700P-50 K B C2012	C517	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C287	87-010-190-080		C-CAP,S 0.01-50 Z F C2012	C518	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C288	87-010-190-080		C-CAP,S 0.01-50 Z F C2012	C519	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C289	87-010-190-080		C-CAP,S 0.01-50 Z F C2012	C520	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C290	87-010-190-080		C-CAP,S 0.01-50 Z F C2012	C531	87-010-213-080		C-CAP,S 0.015-25 K B GRM
C291	87-012-368-080		C-CAP,S 0.1-50 Z F	C532	87-010-992-080		C-CAP,S 0.047-25 K B MK212
C292	87-012-368-080		C-CAP,S 0.1-50 Z F	C533	87-015-785-080		C-CAP, 0.1-25 Z F C3216
C293	87-012-368-080		C-CAP,S 0.1-50 Z F	C535	87-010-404-080		CAP,E 4.7-50 M 11L SME
C294	87-012-368-080		C-CAP,S 0.1-50 Z F	C536	87-010-404-080		CAP,E 4.7-50 M 11L SME
C295	87-012-368-080		C-CAP,S 0.1-50 Z F	C539	87-010-401-080		CAP,E 1-50 M 11L SME
C296	87-012-368-080		C-CAP,S 0.1-50 Z F	C540	87-010-401-080		CAP,E 1-50 M 11L SME
C297	87-012-368-080		C-CAP,S 0.1-50 Z F	C541	87-010-185-080		C-CAP,S 3900P-50 K B
C298	87-012-368-080		C-CAP,S 0.1-50 Z F	C542	87-010-185-080		C-CAP,S 3900P-50 K B
C303	87-010-179-080		C-CAP,S 1200P-50 K B GRM	C547	87-010-404-080		CAP,E 4.7-50 M 11L SME
C304	87-010-179-080		C-CAP,S 1200P-50 K B GRM	C548	87-010-404-080		CAP,E 4.7-50 M 11L SME
C305	87-010-405-080		CAP,E 10-50 M 11L SME	C549	87-016-081-080		C-CAP,S 0.1-16 K R GRM
C306	87-010-405-080		CAP,E 10-50 M 11L SME	C550	87-016-081-080		C-CAP,S 0.1-16 K R GRM
C308	87-016-299-080		CAP,E 10-100 M SME	C554	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C309	87-010-406-080		CAP,E 22-50 M 11L SME	C555	87-010-405-080		CAP,E 10-50 M 11L SME
C310	87-010-406-080		CAP,E 22-50 M 11L SME	C556	87-010-248-080		CAP,E 220-10 M 11L SME
C311	87-010-322-080		C-CAP,S 100P-50 J CH GRM	C557	87-010-405-080		CAP,E 10-50 M 11L SME
C312	87-010-322-080		C-CAP,S 100P-50 J CH GRM	C559	87-010-183-080		C-CAP,S 2700P-50 K B GRM
C315	87-A10-897-080		CAP,E 100-25 BP SME	C560	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C316	87-A10-897-080		CAP,E 100-25 BP SME	C561	87-012-140-080		C-CAP,S 470P-50 J CH
C317	87-A10-516-080		C-CAP,S 100P-200 J CH	C562	87-012-140-080		C-CAP,S 470P-50 J CH
C318	87-A10-516-080		C-CAP,S 100P-200 J CH	C565	87-010-404-080		CAP,E 4.7-50 M 11L SME
C321	87-016-526-080		C-CAP,S 0.47-16 BK	C566	87-010-404-080		CAP,E 4.7-50 M 11L SME
C322	87-016-526-080		C-CAP,S 0.47-16 BK	C605	87-010-405-080		CAP,E 10-50 M 11L SME
C323	87-010-402-080		CAP,E 2.2-50 M 11L SME	C606	87-010-405-080		CAP,E 10-50 M 11L SME
C324	87-010-402-080		CAP,E 2.2-50 M 11L SME	C701	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C325	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	C702	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C327	87-010-178-080		C-CAP,S 1000P-50 K B C2012	C723	87-010-401-080		CAP,E 1-50 M 11L SME
C328	87-010-178-080		C-CAP,S 1000P-50 K B C2012	C726	87-010-405-080		CAP,E 10-50 M 11L SME
C330	87-A10-354-080		C-CAP,S 0.047-50 K B	C745	87-012-368-080		C-CAP,S 0.1-50 Z F
C331	87-A10-354-080		C-CAP,S 0.047-50 K B	C746	87-012-368-080		C-CAP,S 0.1-50 Z F
C334	87-A10-918-080		CAP,E 100-16 SMG	C901	87-010-406-080		CAP,E 22-50 M 11L SME
C335	87-A10-918-080		CAP,E 100-16 SMG	C902	87-010-406-080		CAP,E 22-50 M 11L SME
C385	87-010-186-080		C-CAP,S 4700P-50 K B C2012	C903	87-010-406-080		CAP,E 22-50 M 11L SME
C391	87-012-368-080		C-CAP,S 0.1-50 Z F	C904	87-010-406-080		CAP,E 22-50 M 11L SME
C392	87-012-368-080		C-CAP,S 0.1-50 Z F	C905	87-010-406-080		CAP,E 22-50 M 11L SME
C393	87-012-368-080		C-CAP,S 0.1-50 Z F	C906	87-010-260-080		CAP,E 47-25 M 11L SME
C394	87-012-368-080		C-CAP,S 0.1-50 Z F	C907	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C395	87-010-190-080		C-CAP,S 0.01-50 Z F C2012	C908	87-010-387-080		CAP,E 470-25 M SME
C396	87-010-190-080		C-CAP,S 0.01-50 Z F C2012	C909	87-010-371-080		CAP,E 470-6.3 M SME
C402	87-010-181-080		C-CAP,S 1800P-50 K B GRM	C910	87-010-371-080		CAP,E 470-6.3 M SME
C403	87-010-405-080		CAP,E 10-50 M 11L SME	C911	87-010-371-080		CAP,E 470-6.3 M SME
C405	87-010-406-080		CAP,E 22-50 M 11L SME	C912	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C406	87-010-322-080		C-CAP,S 100P-50 J CH GRM	C913	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C408	87-A10-897-080		CAP,E 100-25 BP SME	C914	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C409	87-A10-516-080		C-CAP,S 100P-200 J CH	C915	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C411	87-016-526-080		C-CAP,S 0.47-16 BK	CN110	87-A60-621-010		CONN,4P V 2MM JMT
C412	87-010-402-080		CAP,E 2.2-50 M 11L SME	CN501	87-A60-039-010		CONN,32P V 9604S-32C



REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
CN502	87-A60-054-010		CONN,14P V 9604S-14C	WH101	87-A90-510-010		HLDR,WIRE 2.5-9P
CN503	87-A60-056-010		CONN,12P V 9604S-12C				
CN504	87-099-574-010		CONN,20P TUC-P20P-B1				
CN505	87-A60-189-010		CONN,16P V TUC-P16P-B1	FRONT	C.B		
CN901	87-A60-619-010		CONN,2P V 2MM JMT				
FB501	87-008-372-080		FLTR,EMI BL01 RN1	C707	87-010-382-040		CAP,E 22-25 M 11L SME
FB602	87-008-372-080		FLTR,EMI BL01 RN1	C708	87-010-382-040		CAP,E 22-25 M 11L SME
J201	87-A60-199-010		TERMINAL,SP 8P CJ-9034-07 V0	C709	87-010-382-040		CAP,E 22-25 M 11L SME
J301	87-A60-200-110		TERMINAL,SP 6P CJ-9033-21-3 V0	C710	87-010-382-040		CAP,E 22-25 M 11L SME
J501	87-099-609-010		JACK,PIN 4P BLK W/O SW	C711	87-010-263-040		CAP,E 100-10 M 11L SME
J502	87-099-609-010		JACK,PIN 4P BLK W/O SW	C712	87-010-382-040		CAP,E 22-25 M 11L SME
J715	87-A60-244-010		JACK,PIN 1P BLK W/O SW	C714	87-010-560-040		CAP,E 10-50 M 5L MA
J901	87-099-911-010		JACK,PIN 3P YEL W/O SW	C715	87-010-318-080		C-CAP,S 47P-50 J CH GRM
J902	87-099-912-010		JACK,PIN 3P YEL W/O SW W/E	C716	87-010-318-080		C-CAP,S 47P-50 J CH GRM
J903	87-099-911-010		JACK,PIN 3P YEL W/O SW	C717	87-010-318-080		C-CAP,S 47P-50 J CH GRM
J904	87-099-911-010		JACK,PIN 3P YEL W/O SW	C718	87-015-699-040		CAP,E 10-50 M 7L SRA
J905	87-099-911-010		JACK,PIN 3P YEL W/O SW	C719	87-015-699-040		CAP,E 10-50 M 7L SRA
L291	87-003-383-010		COIL,1UH K	C720	87-010-322-080		C-CAP,S 100P-50 J CH GRM
L292	87-003-383-010		COIL,1UH K	C721	87-010-318-080		C-CAP,S 47P-50 J CH GRM
L293	87-003-383-010		COIL,1UH K	C722	87-010-318-080		C-CAP,S 47P-50 J CH GRM
L294	87-003-383-010		COIL,1UH K	C723	87-010-405-040		CAP,E 10-50 M 11L SME
L391	87-003-383-010		COIL,1UH K	C801	87-010-322-080		C-CAP,S 100P-50 J CH GRM
L392	87-003-383-010		COIL,1UH K	C802	87-010-322-080		C-CAP,S 100P-50 J CH GRM
L491	87-003-383-010		COIL,1UH K	C803	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
L901	87-005-239-080		COIL,100UH K LAL03	C805	87-010-198-080		C-CAP,S 0.022-25 K B C2012
JW177	87-008-372-080		FLTR,EMI BL01 RN1	C806	87-010-400-040		CAP,E 0.47-50 M 11L SME
△ PR101	87-026-691-080		FUSE,10A 125V 251	C807	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
△ PR104	87-026-691-080		FUSE,10A 125V 251	C808	87-010-498-040		CAP,E 10-16 M 5L SRE
△ PR201	87-026-691-080		FUSE,10A 125V 251	C809	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
△ PR202	87-026-691-080		FUSE,10A 125V 251	C810	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
△ PR301	87-026-691-080		FUSE,10A 125V 251	C811	87-A10-189-040		CAP,E 220-10 M 5L
△ PR302	87-026-691-080		FUSE,10A 125V 251	C812	87-A10-189-040		CAP,E 220-10 M 5L
△ PR401	87-026-691-080		FUSE,10A 125V 251	C814	87-010-178-080		C-CAP,S 1000P-50 K B C2012
△ PR402	87-026-691-080		FUSE,10A 125V 251	C816	87-010-312-080		C-CAP,S 15P-50 J CH GRM
R109	87-029-060-080		RES,FUSE 33-1/4W J	C817	87-012-155-080		C-CAP,S 180P-50 J CH GRM
R143	87-A00-261-080		RES,M/F 0.56-1W J	C818	87-010-178-080		C-CAP,S 1000P-50 K B C2012
R176	87-A00-401-050		RES,M/F 390-1W J VTP	C819	87-012-156-080		C-CAP,S 220P-50 J CH GRM
R179	87-A00-402-050		RES,M/F 560-1W J VTP	C820	87-012-156-080		C-CAP,S 220P-50 J CH GRM
R211	87-A00-598-010		RES,M/F 0.15-3W J-8.5MM	C821	87-010-178-080		C-CAP,S 1000P-50 K B C2012
R212	87-A00-598-010		RES,M/F 0.15-3W J-8.5MM	C822	87-010-182-080		C-CAP,S 2200P-50 K B C2012
R231	87-A00-598-010		RES,M/F 0.15-3W J-8.5MM	C823	87-010-182-080		C-CAP,S 2200P-50 K B C2012
R232	87-A00-598-010		RES,M/F 0.15-3W J-8.5MM	C824	87-010-182-080		C-CAP,S 2200P-50 K B C2012
R233	87-A00-598-010		RES,M/F 0.15-3W J-8.5MM	C825	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
R234	87-A00-598-010		RES,M/F 0.15-3W J-8.5MM	C826	87-010-405-040		CAP,E 10-50 M 11L SME
R281	87-A00-126-080		RES,M/F 220-1W J VTP	C827	87-010-198-080		C-CAP,S 0.022-25 K B C2012
R282	87-A00-126-080		RES,M/F 220-1W J VTP	C828	87-010-197-080		C-CAP,S 0.01-25 K B C2012
R283	87-A00-126-080		RES,M/F 220-1W J VTP	C829	87-012-156-080		C-CAP,S 220P-50 J CH GRM
R284	87-A00-126-080		RES,M/F 220-1W J VTP	C830	87-010-197-080		C-CAP,S 0.01-25 K B C2012
R331	87-A00-598-010		RES,M/F 0.15-3W J-8.5MM	C831	87-A10-189-040		CAP,E 220-10 M 5L
R332	87-A00-598-010		RES,M/F 0.15-3W J-8.5MM	C832	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
R333	87-A00-598-010		RES,M/F 0.15-3W J-8.5MM	C833	87-012-368-080		C-CAP,S 0.1-50 Z F
R334	87-A00-598-010		RES,M/F 0.15-3W J-8.5MM	C834	87-012-368-080		C-CAP,S 0.1-50 Z F
R416	87-A00-598-010		RES,M/F 0.15-3W J-8.5MM	C835	87-012-368-080		C-CAP,S 0.1-50 Z F
R417	87-A00-598-010		RES,M/F 0.15-3W J-8.5MM	C836	87-012-157-080		C-CAP,S 330P-50 J CH GRM
R424	87-A00-598-010		RES,M/F 0.15-3W J-8.5MM	C837	87-012-157-080		C-CAP,S 330P-50 J CH GRM
R587	87-A00-126-080		RES,M/F 220-1W J VTP	C838	87-012-157-080		C-CAP,S 330P-50 J CH GRM
R590	87-A00-598-010		RES,M/F 0.15-3W J-8.5MM	C839	87-012-157-080		C-CAP,S 330P-50 J CH GRM
R611	87-A00-598-010		RES,M/F 0.15-3W J-8.5MM	C840	87-012-157-080		C-CAP,S 330P-50 J CH GRM
R902	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	C841	87-012-157-080		C-CAP,S 330P-50 J CH GRM
R905	87-010-317-080		C-CAP,S 39P-50 J CH	C842	87-012-157-080		C-CAP,S 330P-50 J CH GRM
RY281	87-A91-686-010		RELAY, G5PA-28 (OMRON)	C843	87-012-157-080		C-CAP,S 330P-50 J CH GRM
RY481	87-A91-686-010		RELAY, G5PA-28 (OMRON)	C844	87-012-157-080		C-CAP,S 330P-50 J CH GRM
RY801	87-A91-686-010		RELAY, G5PA-28 (OMRON)	C845	87-012-157-080		C-CAP,S 330P-50 J CH GRM
S291	87-A90-174-010		SW,PUSH 2-2-2 R2121382ES	C846	87-012-157-080		C-CAP,S 330P-50 J CH GRM
S292	87-A90-174-010		SW,PUSH 2-2-2 R2121382ES	C849	87-012-368-080		C-CAP,S 0.1-50 Z F
TH201	87-A91-081-080		C-THMS,100K-K 20P	C850	87-010-408-040		CAP,E 47-50 M 11L SME
TH202	87-A91-081-080		C-THMS,100K-K 20P	C852	87-010-322-080		C-CAP,S 100P-50 J CH GRM
TH301	87-A91-081-080		C-THMS,100K-K 20P	C853	87-010-154-080		C-CAP,S 10P-50 D CH GRM
TH302	87-A91-081-080		C-THMS,100K-K 20P	C854	87-010-154-080		C-CAP,S 10P-50 D CH GRM
TH401	87-A91-081-080		C-THMS,100K-K 20P	C855	87-010-154-080		C-CAP,S 10P-50 D CH GRM

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C856	87-010-154-080		C-CAP,S 10P-50 D CH GRM	C135	87-010-101-080		CAP,E 220-16 M SME
C857	87-010-154-080		C-CAP,S 10P-50 D CH GRM	C136	87-010-263-080		CAP,E 100-10 M 11L SME
C858	87-010-322-080		C-CAP,S 100P-50 J CH GRM	C137	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C859	87-010-154-080		C-CAP,S 10P-50 D CH GRM	C138	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C860	87-010-154-080		C-CAP,S 10P-50 D CH GRM	C139	87-010-314-080		C-CAP,S 22P-50 J CH GRM
C861	87-010-154-080		C-CAP,S 10P-50 D CH GRM	C140	87-010-552-040		CAP,E 22-16 M 5L SRE
C862	87-010-154-080		C-CAP,S 10P-50 D CH GRM	C141	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C864	87-012-157-080		C-CAP,S 330P-50 J CH GRM	C142	87-010-182-080		C-CAP,S 2200P-50 K B C2012
C866	87-012-140-080		C-CAP,S 470P-50 J CH	C143	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
CN801	87-A60-079-010		CONN,08P H 9604S-08F	C144	87-010-312-080		C-CAP,S 15P-50 J CH GRM
CN802	87-A60-064-010		CONN,32P H 9604S-32F	C145	87-012-154-080		C-CAP,S 150P-50 J CH GRM
CN803	87-099-755-010		CONN,14P H 9604	C146	87-012-154-080		C-CAP,S 150P-50 J CH GRM
CN805	87-A60-076-010		CONN,12P H 9604S-12F	C147	87-010-405-080		CAP,E 10-50 M 11L SME
FL801	8A-AR1-602-010		FL,BJ759GK	C148	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
L801	87-A50-434-010		COIL,CLK 4.19M(TOKO)	C149	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
LED703	87-A40-317-010		LED,SLR-342VCT31 RED	C150	87-010-405-080		CAP,E 10-50 M 11L SME
LED704	87-A40-317-080		LED,SLR-342VCT31 RED	C151	87-010-405-080		CAP,E 10-50 M 11L SME
LED705	87-A40-317-080		LED,SLR-342VCT31 RED	C152	87-010-405-080		CAP,E 10-50 M 11L SME
LED706	87-A40-317-080		LED,SLR-342VCT31 RED	C153	87-010-178-080		C-CAP,S 1000P-50 K B C2012
LED707	87-A40-317-080		LED,SLR-342VCT31 RED	C154	87-010-178-080		C-CAP,S 1000P-50 K B C2012
LED708	87-A40-317-080		LED,SLR-342VCT31 RED	C155	87-A10-369-080		C-CAP,S 0.47-16 K B
LED709	87-A40-317-080		LED,SLR-342VCT31 RED	C156	87-010-154-080		C-CAP,S 10P-50 D CH GRM
LED710	87-A40-317-080		LED,SLR-342VCT31 RED	C157	87-012-154-080		C-CAP,S 150P-50 J CH GRM
LED711	87-A40-317-080		LED,SLR-342VCT31 RED	C158	87-012-154-080		C-CAP,S 150P-50 J CH GRM
LED712	87-A40-317-080		LED,SLR-342VCT31 RED	C159	87-010-178-080		C-CAP,S 1000P-50 K B C2012
S801	87-A90-095-080		SW,TACT EVQ11G04M	C160	87-010-178-080		C-CAP,S 1000P-50 K B C2012
S802	87-A90-095-080		SW,TACT EVQ11G04M	C161	87-010-405-080		CAP,E 10-50 M 11L SME
S806	87-A90-095-080		SW,TACT EVQ11G04M	C162	87-010-405-080		CAP,E 10-50 M 11L SME
S807	87-A90-095-080		SW,TACT EVQ11G04M	C163	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
S808	87-A90-095-080		SW,TACT EVQ11G04M	C164	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
S809	87-A90-095-080		SW,TACT EVQ11G04M	C165	87-A10-369-080		C-CAP,S 0.47-16 K B
S812	87-A90-095-080		SW,TACT EVQ11G04M	C166	87-010-405-080		CAP,E 10-50 M 11L SME
S813	87-A90-095-080		SW,TACT EVQ11G04M	C167	87-010-405-080		CAP,E 10-50 M 11L SME
S814	87-A90-095-080		SW,TACT EVQ11G04M	C168	87-010-401-080		CAP,E 10-50 M 11L SME
S816	87-A90-095-080		SW,TACT EVQ11G04M	C169	87-012-154-080		C-CAP,S 150P-50 J CH GRM
S817	87-A90-095-080		SW,TACT EVQ11G04M	C170	87-012-154-080		C-CAP,S 150P-50 J CH GRM
SW801	87-A91-646-010		SW,RTRY EC12E12204	C171	87-010-178-080		C-CAP,S 1000P-50 K B C2012
SW802	87-A91-647-010		SW,RTRY EC12E12504	C172	87-010-178-080		C-CAP,S 1000P-50 K B C2012
DIGITAL C.B				C173	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C100	87-010-197-080		C-CAP,S 0.01-25 K B C2012	C174	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C101	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	C175	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C102	87-010-374-080		CAP,E 47-10 M 11L SME	C176	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C105	87-012-140-080		C-CAP,S 470P-50 J CH	C177	87-A10-369-080		C-CAP,S 0.47-16 K B
C106	87-010-197-080		C-CAP,S 0.01-25 K B C2012	C178	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C107	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	C179	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C108	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	C180	87-010-405-080		CAP,E 10-50 M 11L SME
C109	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	C181	87-010-405-080		CAP,E 10-50 M 11L SME
C110	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	C182	87-010-405-080		CAP,E 10-50 M 11L SME
C111	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	C183	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C112	87-010-404-080		CAP,E 4.7-50 M 11L SME	C184	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C113	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	C185	87-010-405-080		CAP,E 10-50 M 11L SME
C114	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	C186	87-010-405-080		CAP,E 10-50 M 11L SME
C115	87-010-374-080		CAP,E 47-10 M 11L SME	C187	87-016-083-080		C-CAP,S 0.15-16 K R
C118	87-010-402-080		CAP,E 2.2-50 M 11L SME	C188	87-016-083-080		C-CAP,S 0.15-16 K R
C119	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	C189	87-016-083-080		C-CAP,S 0.15-16 K R
C120	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	C190	87-010-405-080		CAP,E 10-50 M 11L SME
C121	87-010-263-080		CAP,E 100-10 M 11L SME	C191	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C122	87-010-311-080		C-CAP,S 12P-50 J CH GRM	C192	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C123	87-010-313-080		C-CAP,S 18P-50 J CH GRM	C193	87-010-154-080		C-CAP,S 10P-50 D CH GRM
C125	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	C194	87-010-154-080		C-CAP,S 10P-50 D CH GRM
C126	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	C195	87-010-405-080		CAP,E 10-50 M 11L SME
C127	87-010-101-080		CAP,E 220-16 M SME	C196	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C128	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	C197	87-010-405-080		CAP,E 10-50 M 11L SME
C129	87-010-101-080		CAP,E 220-16 M SME	C198	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C130	87-010-182-080		C-CAP,S 2200P-50 K B C2012	C199	87-A10-369-080		C-CAP,S 0.47-16 K B
C131	87-010-263-080		CAP,E 100-10 M 11L SME	C201	87-010-154-080		C-CAP,S 10P-50 D CH GRM
C132	87-010-263-080		CAP,E 100-10 M 11L SME	C202	87-010-154-080		C-CAP,S 10P-50 D CH GRM
C133	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	C203	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
				C204	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
				C205	87-A10-369-080		C-CAP,S 0.47-16 K B

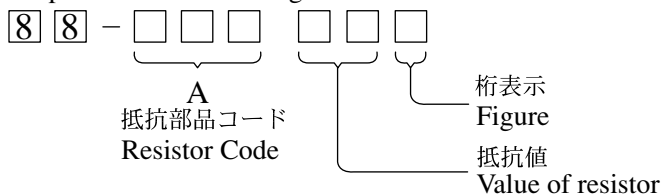
REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C206	87-010-401-080		CAP,E 1-50 M 11L SME	L104	87-008-501-080		FLTR, DSS306-55
C207	87-010-405-080		CAP,E 10-50 M 11L SME	L106	87-008-372-080		FLTR,EMI BL01 RN1
C208	87-010-405-080		CAP,E 10-50 M 11L SME	L107	87-008-501-080		FLTR, DSS306-55
C209	87-010-154-080		C-CAP,S 10P-50 D CH GRM	L108	87-008-501-080		FLTR, DSS306-55
C210	87-010-154-080		C-CAP,S 10P-50 D CH GRM	X102	87-A70-243-010		VIB,XTAL 24.576MHZ
C211	87-010-196-080		C-CAP,S 0.1-25 Z F C2012				
C212	87-010-196-080		C-CAP,S 0.1-25 Z F C2012		VOLUME C.B		
C213	87-A10-369-080		C-CAP,S 0.47-16 K B	C601	87-010-195-080		C-CAP,S 0.068-25 Z F C2012
C214	87-010-405-080		CAP,E 10-50 M 11L SME	C602	87-010-195-080		C-CAP,S 0.068-25 Z F C2012
C215	87-010-405-080		CAP,E 10-50 M 11L SME	C603	87-010-195-080		C-CAP,S 0.068-25 Z F C2012
C216	87-010-405-080		CAP,E 10-50 M 11L SME	C604	87-010-195-080		C-CAP,S 0.068-25 Z F C2012
C219	87-010-993-080		C-CAP,S 0.056-25 K B MK212	C605	87-010-195-080		C-CAP,S 0.068-25 Z F C2012
C220	87-A10-369-080		C-CAP,S 0.47-16 K B				
C221	87-010-322-080		C-CAP,S 100P-50 J CH GRM	C606	87-010-805-080		C-CAP,S 1-16 Z F
C222	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	C607	87-010-178-080		C-CAP,S 1000P-50 K B C2012
C223	87-010-154-080		C-CAP,S 10P-50 D CH GRM	C608	87-010-186-080		C-CAP,S 4700P-50 K B C2012
C224	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	C610	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C227	87-010-405-080		CAP,E 10-50 M 11L SME	C611	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C228	87-010-405-080		CAP,E 10-50 M 11L SME				
C236	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	C612	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C237	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	C613	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C238	87-010-314-080		C-CAP,S 22P-50 J CH GRM	C614	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C239	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	C615	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C240	87-010-314-080		C-CAP,S 22P-50 J CH GRM	C634	87-010-374-080		CAP,E 47-10 M 11L SME
C241	87-010-405-080		CAP,E 10-50 M 11L SME				
C242	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	C635	87-A11-148-080		CAP,TC U 0.1-50 Z F
C243	87-012-156-080		C-CAP,S 220P-50 J CH GRM	CN601	87-A60-076-010		CONN,12P H 9604S-12F
C245	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	CN603	87-A60-080-010		CONN,07P H 9604S-07F
C253	87-010-263-080		CAP,E 100-10 M 11L SME	S601	87-A90-095-080		SW,TACT EVQ11G04M
C255	87-010-378-080		CAP,E 10-16 M 11L SME	S602	87-A90-095-080		SW,TACT EVQ11G04M
C268	87-010-197-080		C-CAP,S 0.01-25 K B C2012				
C272	87-010-186-080		C-CAP,S 4700P-50 K B C2012		VIDEO C.B		
C273	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	C501	87-A11-148-080		CAP,TC U 0.1-50 Z F
C274	87-010-182-080		C-CAP,S 2200P-50 K B C2012	C502	87-A11-148-080		CAP,TC U 0.1-50 Z F
C275	87-010-263-080		CAP,E 100-10 M 11L SME	C503	87-010-188-080		C-CAP,S 6800P-50 K B C2012
C278	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	C504	87-010-188-080		C-CAP,S 6800P-50 K B C2012
C280	87-010-401-080		CAP,E 1-50 M 11L SME	C507	87-A11-148-080		CAP,TC U 0.1-50 Z F
C281	87-010-322-080		C-CAP,S 100P-50 J CH GRM				
C282	87-010-322-080		C-CAP,S 100P-50 J CH GRM	CN604	87-099-201-010		CONN,8P H BLK 6216
C292	87-010-314-080		C-CAP,S 22P-50 J CH GRM	CN605	8A-AR3-652-010		CONN ASSY,2P -VIDEO 3
C301	87-010-401-080		CAP,E 1-50 M 11L SME	J501	87-A60-948-010		JACK,PIN 3P R/W/Y GLD
C302	87-010-762-080		CAP,E 220-10 M SME	J603	87-A60-550-010		JACK,DIA6.3 BLK ST W/SW KM
C317	87-016-462-080		C-CAP,S 1-16 Z F				
C318	87-016-462-080		C-CAP,S 1-16 Z F		PT C.B		
C336	87-010-405-080		CAP,E 10-50 M 11L SME	C1	87-010-387-080		CAP,E 470-25 M SME
C337	87-010-405-080		CAP,E 10-50 M 11L SME	C1	87-018-209-080		CAP,TC U 0.1-50 Z F UP050
C338	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	C2	87-010-403-080		CAP,E 3.3-50 M 11L SME
C339	87-010-405-080		CAP,E 10-50 M 11L SME	C3	87-A11-148-080		CAP,TC U 0.1-50 Z F
C340	87-010-405-080		CAP,E 10-50 M 11L SME	C4	87-A11-148-080		CAP,TC U 0.1-50 Z F
C341	87-010-196-080		C-CAP,S 0.1-25 Z F C2012				
C342	87-010-180-080		C-CAP,S 1500P-50 K B C2012	C5	87-A11-148-080		CAP,TC U 0.1-50 Z F
C343	87-010-180-080		C-CAP,S 1500P-50 K B C2012	C7	87-A10-922-090		CAP,CER 0.01-250 M F KH
C344	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	CN101	88-805-042-690		CONN ASSY,4P
C403	87-010-401-080		CAP,E 1-50 M 11L SME	CN103	87-A61-057-010		CONN,9P V THL-P09P-A1
CN101	87-099-563-010		CONN,20P TUC-P20X-B1	F101	87-035-494-010		FUSE,10A 125V T 237
CN102	87-A60-190-010		CONN,16P H TUC-P16X-B1				
CN103	8Z-AR1-635-010		CONN ASSY,4P (DTS,AC-3)	FC101	87-A90-160-080		FUSE CLAMP,FC 51F
CN105	87-A60-060-010		CONN,07P V 9604S-07C	FC102	87-A90-160-080		FUSE CLAMP,FC 51F
FB103	87-008-372-080		FLTR,EMI BL01 RN1	PR105	87-026-682-080		PROTECTOR,10A 491SERIES 60V
FB104	87-008-372-080		FLTR,EMI BL01 RN1	PR106	87-026-682-080		PROTECTOR,10A 491SERIES 60V
FB105	87-008-474-080		F-BEAD, BL02RN1-R62T2 EMI	PT2	8Z-NF8-661-010		PT,SUB ZNF-8(U)
FB108	87-008-474-080		F-BEAD, BL02RN1-R62T2 EMI				
FB110	87-008-372-080		FLTR,EMI BL01 RN1	PT101	8Z-AR3-601-010		PT,ZAR-3(U)
FB111	87-008-372-080		FLTR,EMI BL01 RN1	RY1	87-A90-977-010		RELAY,AC12V DG12D1-O(M)
FB112	87-005-212-080		COIL,220UH K EL0606	T1	87-A60-317-010		TERMINAL, 1P MSC
J101	87-A60-573-010		JACK,PIN 1P ORN	T2	87-A60-317-010		TERMINAL, 1P MSC
JR121	87-010-178-080		C-CAP,S 1000P-50 K B C2012				
JW177	87-008-372-080		FLTR,EMI BL01 RN1		TUNER C.B		
L102	87-A50-095-010		COIL,68UH RCR875D	C701	87-010-260-080		CAP, ELECT 47-25V
L103	87-005-274-080		COIL,68UH K LAL03	C702	87-010-404-080		CAP, ELECT 4.7-50V
				C703	87-012-286-080		CAP, U 0.01-25
				C704	87-012-286-080		CAP, U 0.01-25
				C709	87-012-195-080		C-CAP,U 100P-50CH

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C711	87-010-263-080		CAP, ELECT 100-10V	C789	87-012-275-080		C-CAP,U 1200P-50 B
C712	87-010-196-080		CHIP CAPACITOR,0.1-25	C790	87-012-275-080		C-CAP,U 1200P-50 B
C713	87-012-286-080		CAP, U 0.01-25	C791	87-010-405-080		CAP, ELECT 10-50V
C714	87-012-286-080		CAP, U 0.01-25	C793	87-012-273-080		C-CAP,U 820P-50 B
C717	87-012-286-080		CAP, U 0.01-25	C794	87-010-406-080		CAP, ELECT 22-50
C719	87-012-286-080		CAP, U 0.01-25	C795	87-010-194-080		C-CAP,S 0.047-25 ZF
C721	87-012-176-080		CAP 15P	C796	87-010-403-080		CAP, ELECT 3.3-50V
C722	87-012-176-080		CAP 15P	C797	87-012-278-080		CAP, U 2200P-50
C723	87-012-274-080		CHIP CAP,U 1000P-50B	C798	87-012-278-080		CAP, U 2200P-50
C725	87-012-274-080		CHIP CAP,U 1000P-50B	C799	87-010-829-080		CAP, U 0.047-16
C727	87-010-196-080		CHIP CAPACITOR,0.1-25	C812	87-012-286-080		CAP, U 0.01-25
C728	87-010-248-080		CAP, ELECT 220-10V	C813	87-010-196-080		CHIP CAPACITOR,0.1-25
C755	87-012-286-080		CAP, U 0.01-25	C814	87-012-286-080		CAP, U 0.01-25
C756	87-012-286-080		CAP, U 0.01-25	C819	87-010-197-080		CAP, CHIP 0.01 DM
C757	87-012-188-080		C-CAP,U 47P-50 CH	C820	87-010-260-080		CAP, ELECT 47-25V
C758	87-012-167-080		C-CAP,U 5P-50 CH	C821	87-012-286-080		CAP, U 0.01-25
C761	87-010-196-080		CHIP CAPACITOR,0.1-25	C822	87-012-286-080		CAP, U 0.01-25
C763	87-010-829-080		CAP, U 0.047-16	C823	87-012-286-080		CAP, U 0.01-25
C764	87-012-337-080		C-CAP,U 56P-50 CH	C828	87-010-196-080		CHIP CAPACITOR,0.1-25
C765	87-012-286-080		CAP, U 0.01-25	C829	87-010-196-080		CHIP CAPACITOR,0.1-25
C769	87-010-408-080		CAP, ELECT 47-50 M 11L	C959	87-010-196-080		CHIP CAPACITOR,0.1-25
C770	87-010-829-080		CAP, U 0.047-16	C960	87-010-196-080		CHIP CAPACITOR,0.1-25
C771	87-010-383-080		CAP, ELECT 33-25 M 11L	C961	87-012-170-080		C-CAP,U 8P-50 CH
C772	87-010-829-080		CAP, U 0.047-16	CF801	87-008-261-010		FILTER, SFE10.7MA5-A
C773	87-010-196-080		CHIP CAPACITOR,0.1-25	CF802	87-008-261-010		FILTER, SFE10.7MA5-A
C774	87-010-263-080		CAP, ELECT 100-10V	CN601	87-099-028-010		CONN,11P 6216 H
C775	87-010-404-080		CAP, ELECT 4.7-50V	FFE801	A8-8ZA-190-030		8ZA-1 FEUNM
C776	87-012-286-080		CAP, U 0.01-25	J801	87-A60-657-010		TERMINAL,4P HSP-154V5-02
C777	87-010-400-080		CAP, ELECT 0.47-50V	L771	87-A50-266-010		COIL,FM DET-2N(TOK)
C778	87-010-401-080		CAP, ELECT 1-50V	L772	87-A90-733-010		FLTR,PCFAZH-450
C779	87-010-401-080		CAP, ELECT 1-50V	L781	87-005-847-080		COIL,2.2UH(CECS)
C780	87-010-196-080		CHIP CAPACITOR,0.1-25	L791	87-A50-209-010		COIL,1 POLE MPX(MIT)
C781	87-010-405-080		CAP, ELECT 10-50V	L792	87-A50-209-010		COIL,1 POLE MPX(MIT)
C782	87-010-405-080		CAP, ELECT 10-50V	L832	87-005-847-080		COIL,2.2UH(CECS)
C783	87-012-286-080		CAP, U 0.01-25	L981	87-NF4-650-010		COIL,AM PACK4N(TOK)
C784	87-012-286-080		CAP, U 0.01-25	X721	87-A70-061-010		VIB,XTAL 4.500MHZ CSA-309
C785	87-010-805-080		CAP, S 1-16				
C786	87-010-805-080		CAP, S 1-16				
C787	87-012-280-080		CAP, U 3300P-50				
C788	87-012-280-080		CAP, U 3300P-50				

# ○チップ抵抗部品コード／CHIP RESISTOR PART CODE

チップ抵抗部品コードの成り立ち

## Chip Resistor Part Coding



## チップ抵抗 Chip resistor

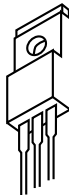
容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法／Dimensions (mm)				抵抗コード : A Resistor Code : A
				外形／Form	L	W	t	
1/16W	1005	± 5%	CJ		1.0	0.5	0.35	104
1/16W	1608	± 5%	CJ		1.6	0.8	0.45	108
1/10W	2125	± 5%	CJ		2	1.25	0.45	118
1/8W	3216	± 5%	CJ		3.2	1.6	0.55	128

TRANSISTOR ILLUSTRATION



E C B

CC5551  
2SA1296  
KTA1266  
KTC3198



B C E

2SB1370  
FN1016  
FP1016



E C B

DTC114ES  
2SC4115  
KTC3199  
KTA1267



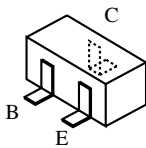
E C B

CSD1489



G D S

2SK3053



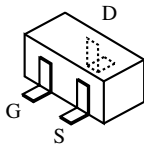
B

E

C

2SA1037  
2SA1235  
2SC3052  
2SC2714  
2SD1306  
CMBT5401  
CMBT5551  
CSA1362  
CSD1306

DTA144WK  
DTC123JK  
DTC124EK  
RT1N144C  
RT1N141C  
RT1P141C  
RT1P144C



G

S

D

2SK2158

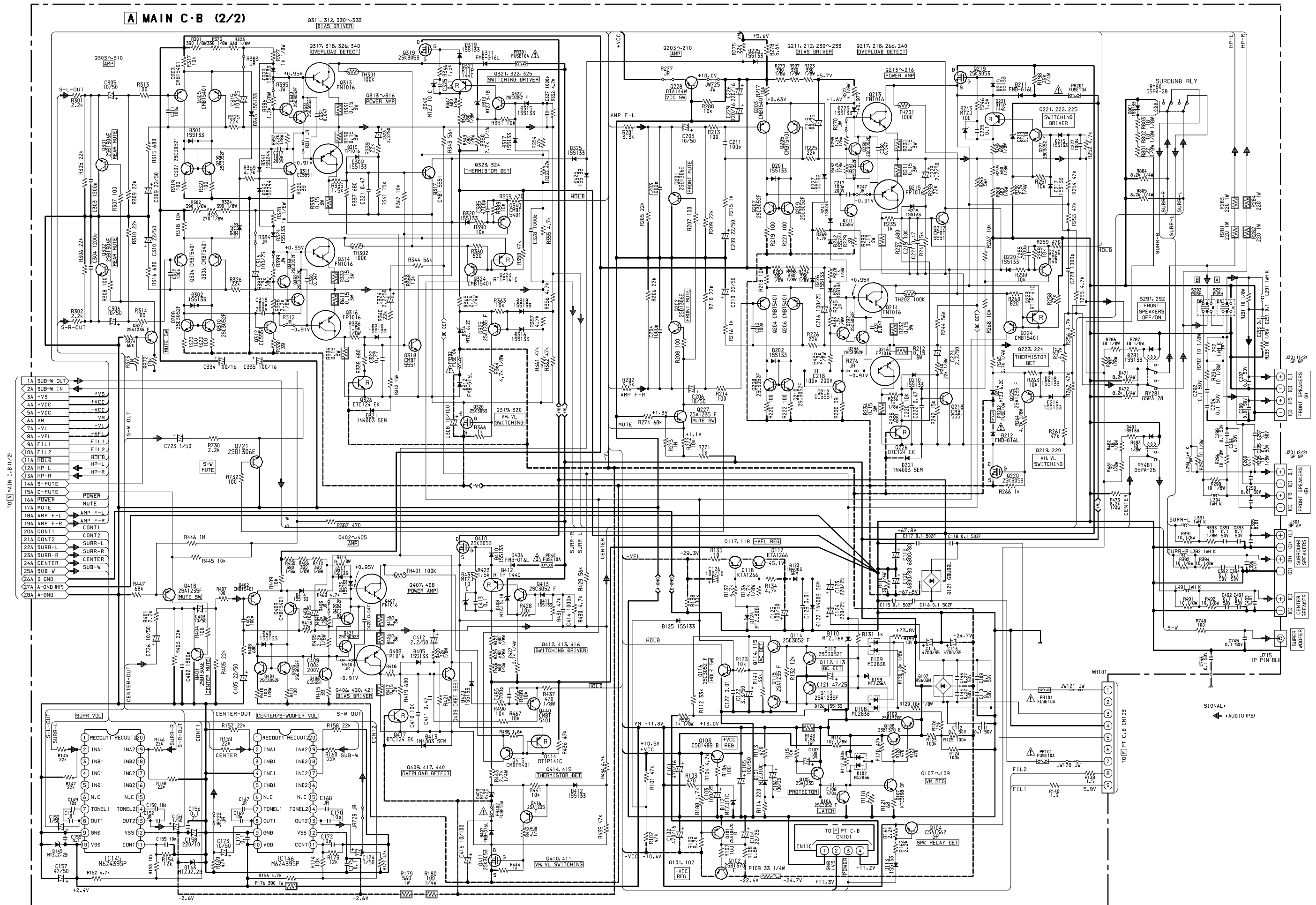






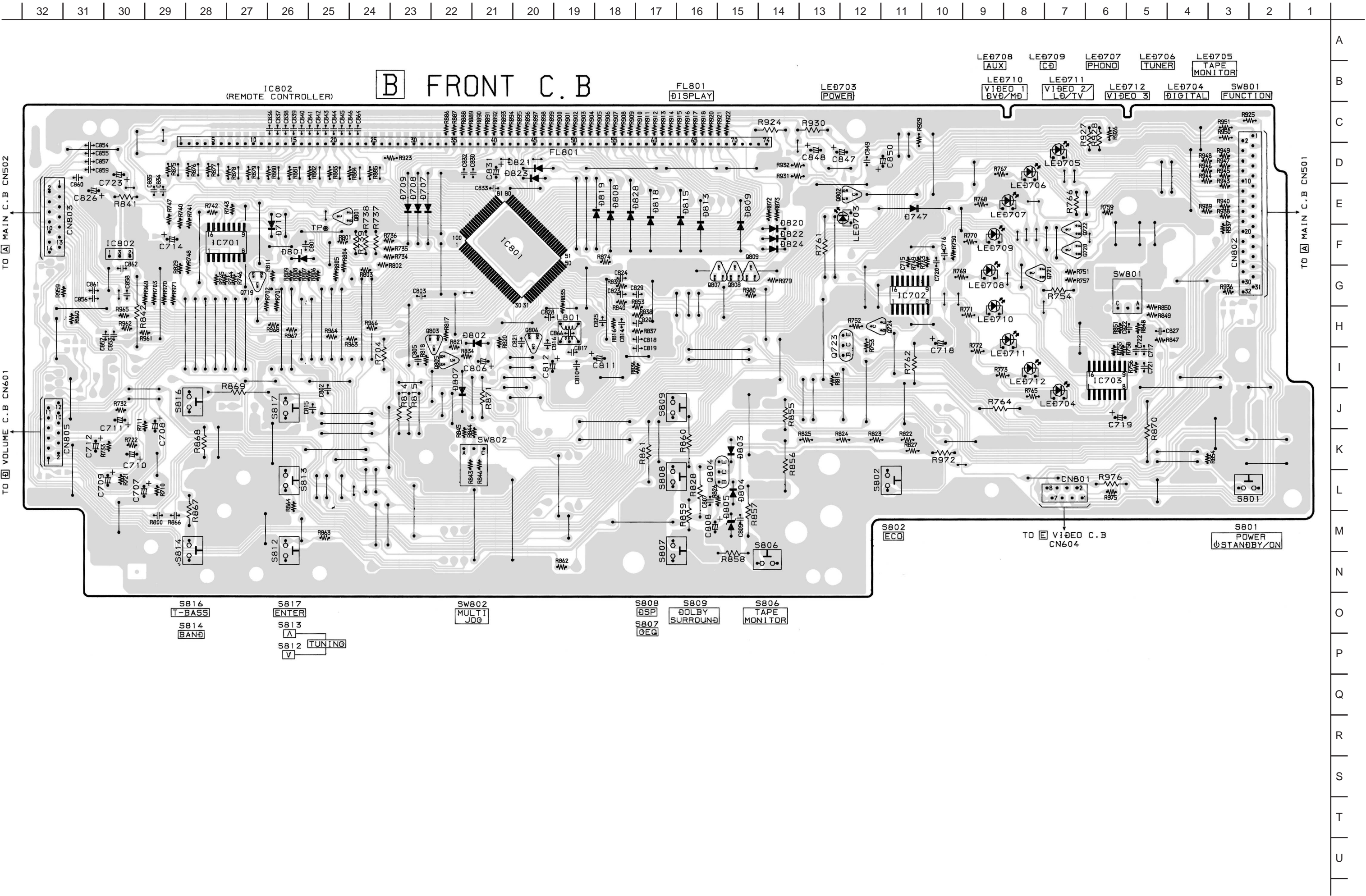


SCHEMATIC DIAGRAM - 2 (MAIN 2/2)

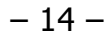




WIRING - 2 (FRONT)



**B FRONT C.B**



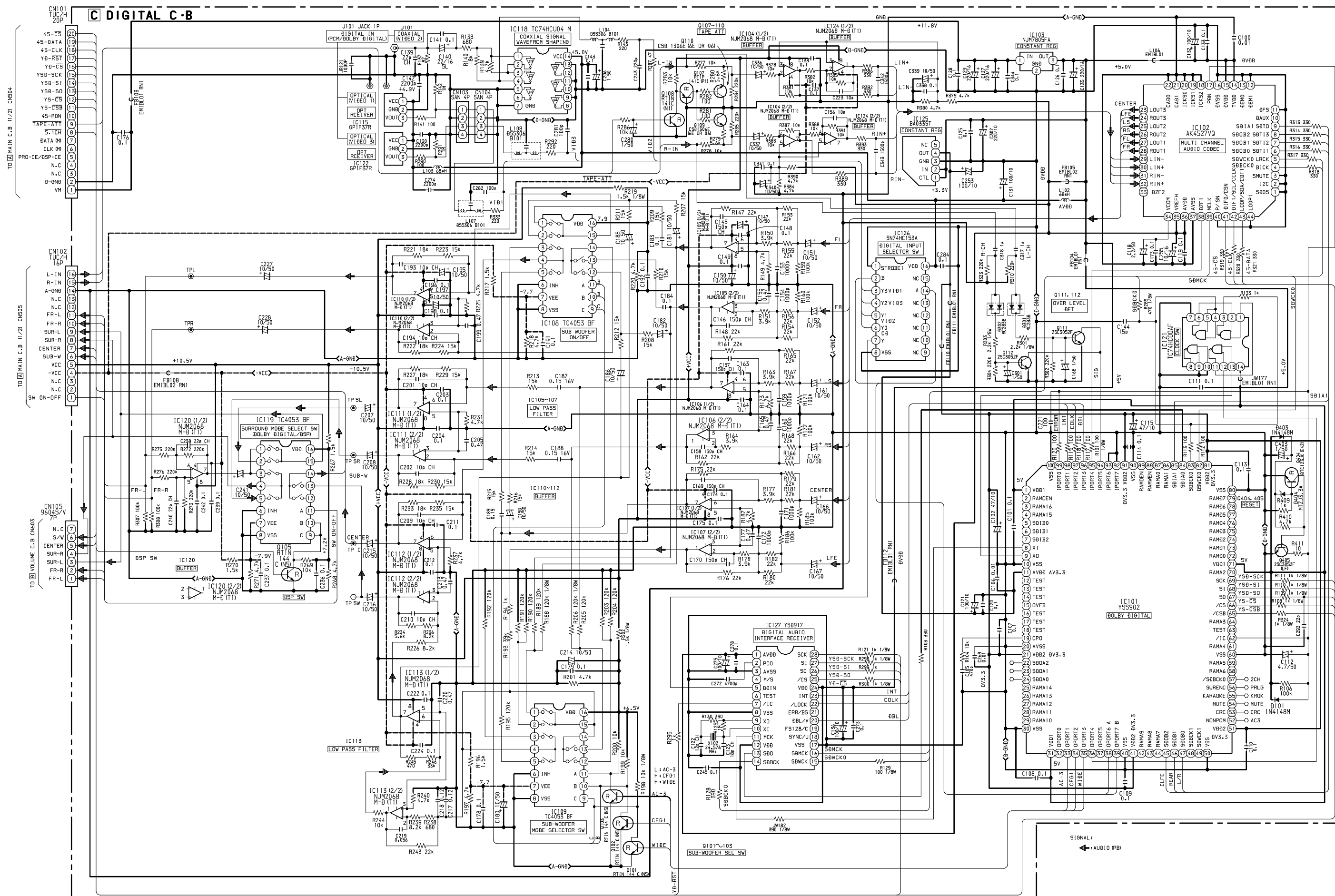


A
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U

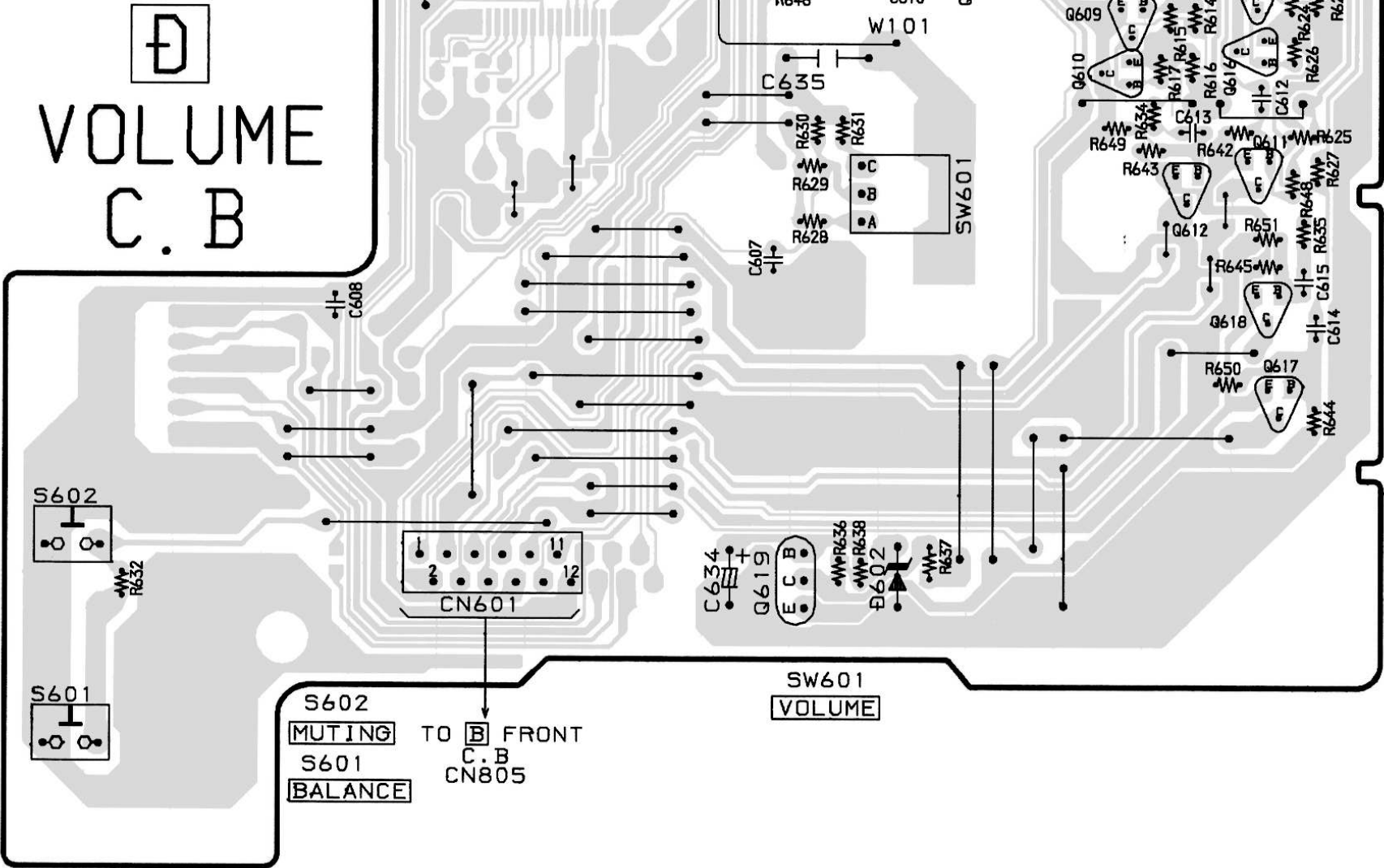
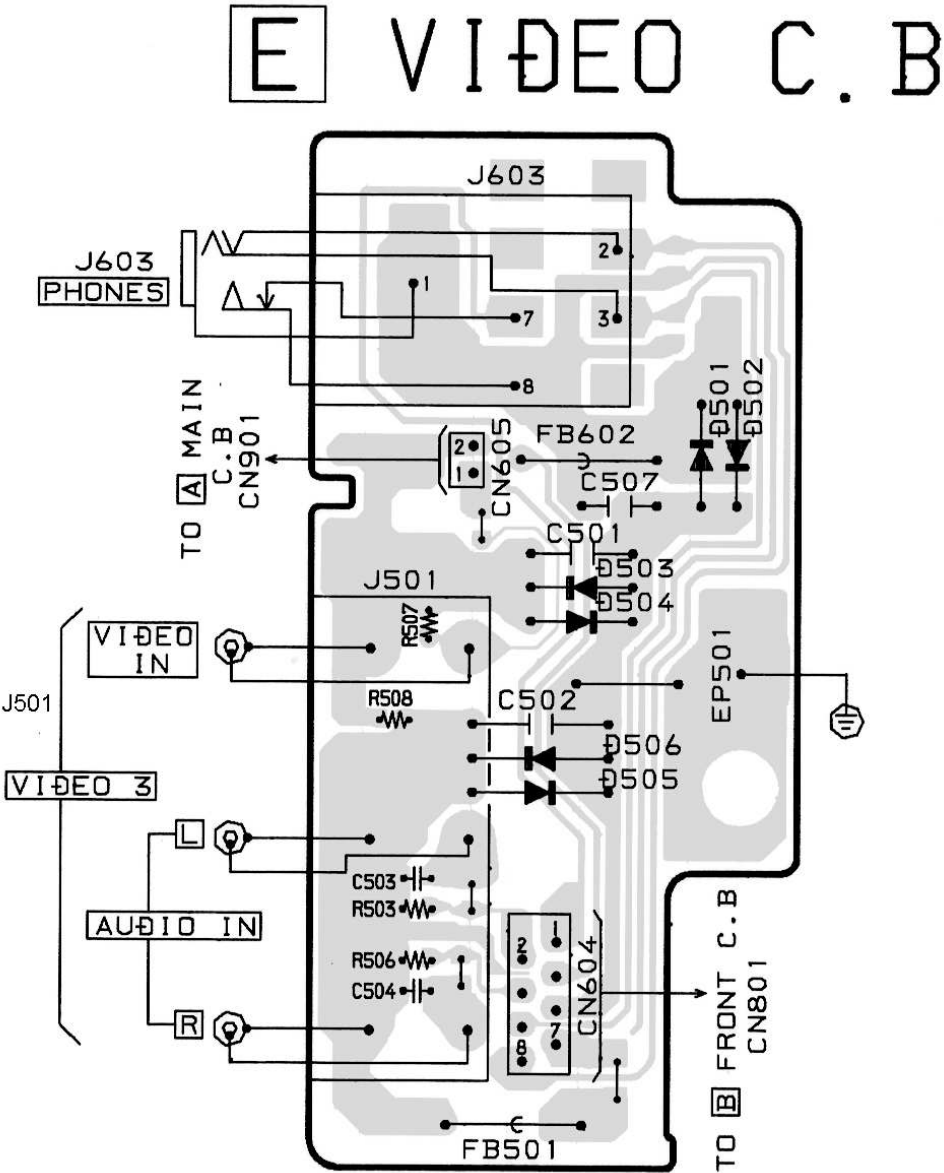




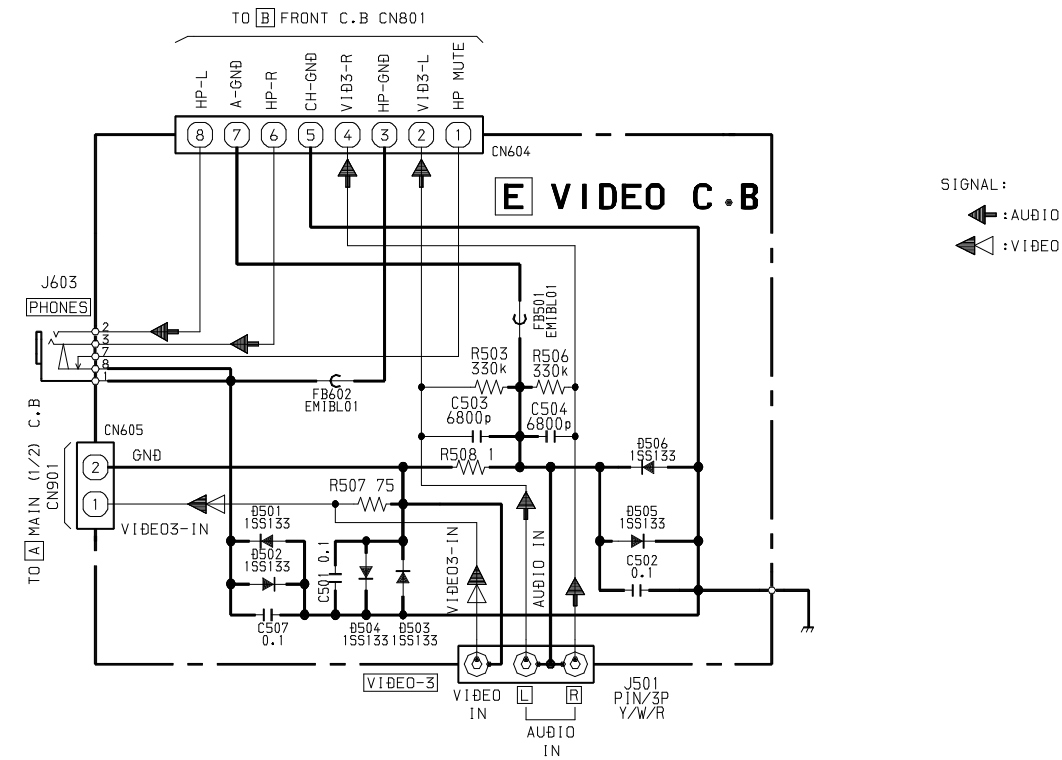
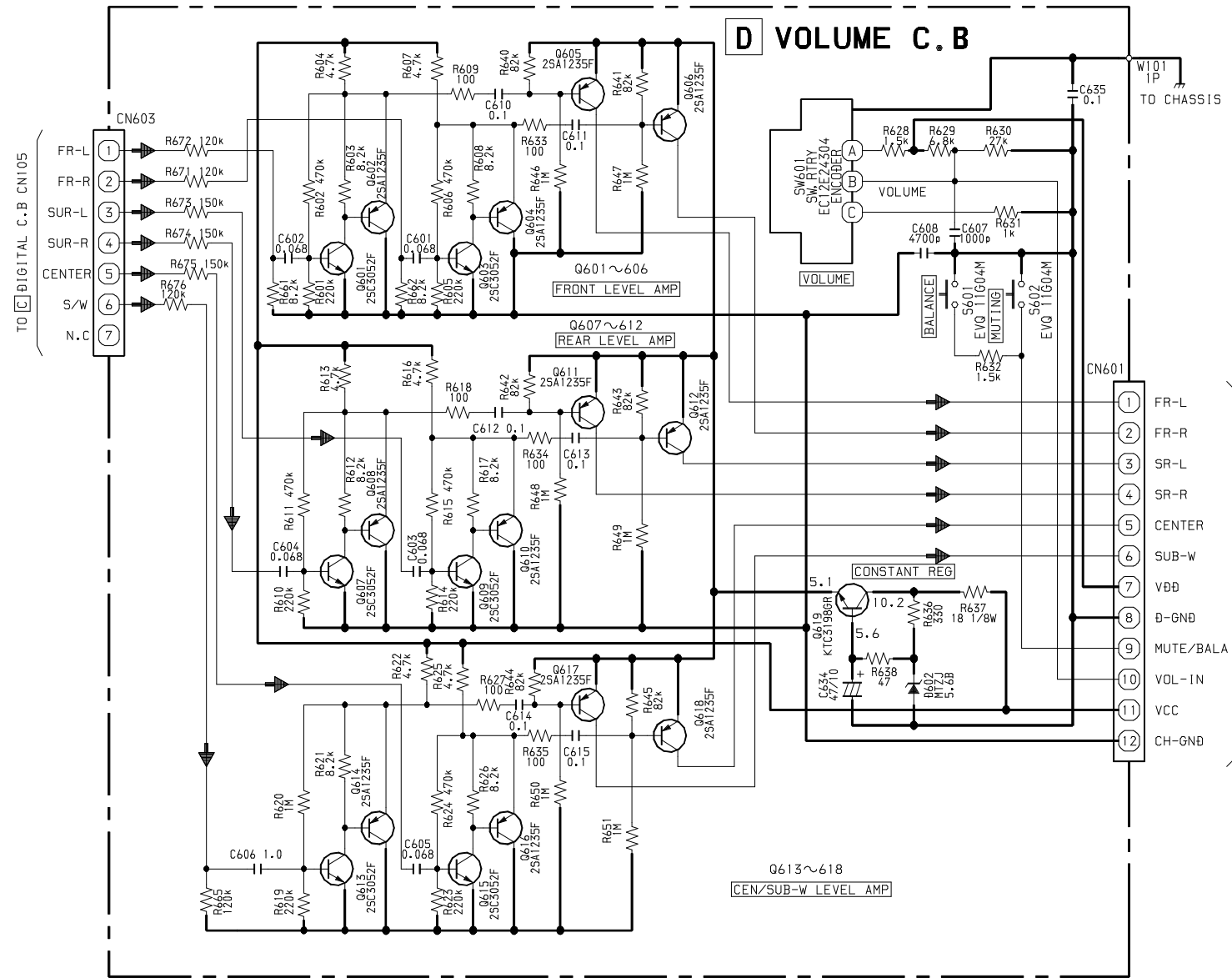
### SCHEMATIC DIAGRAM - 4 (DIGITAL)



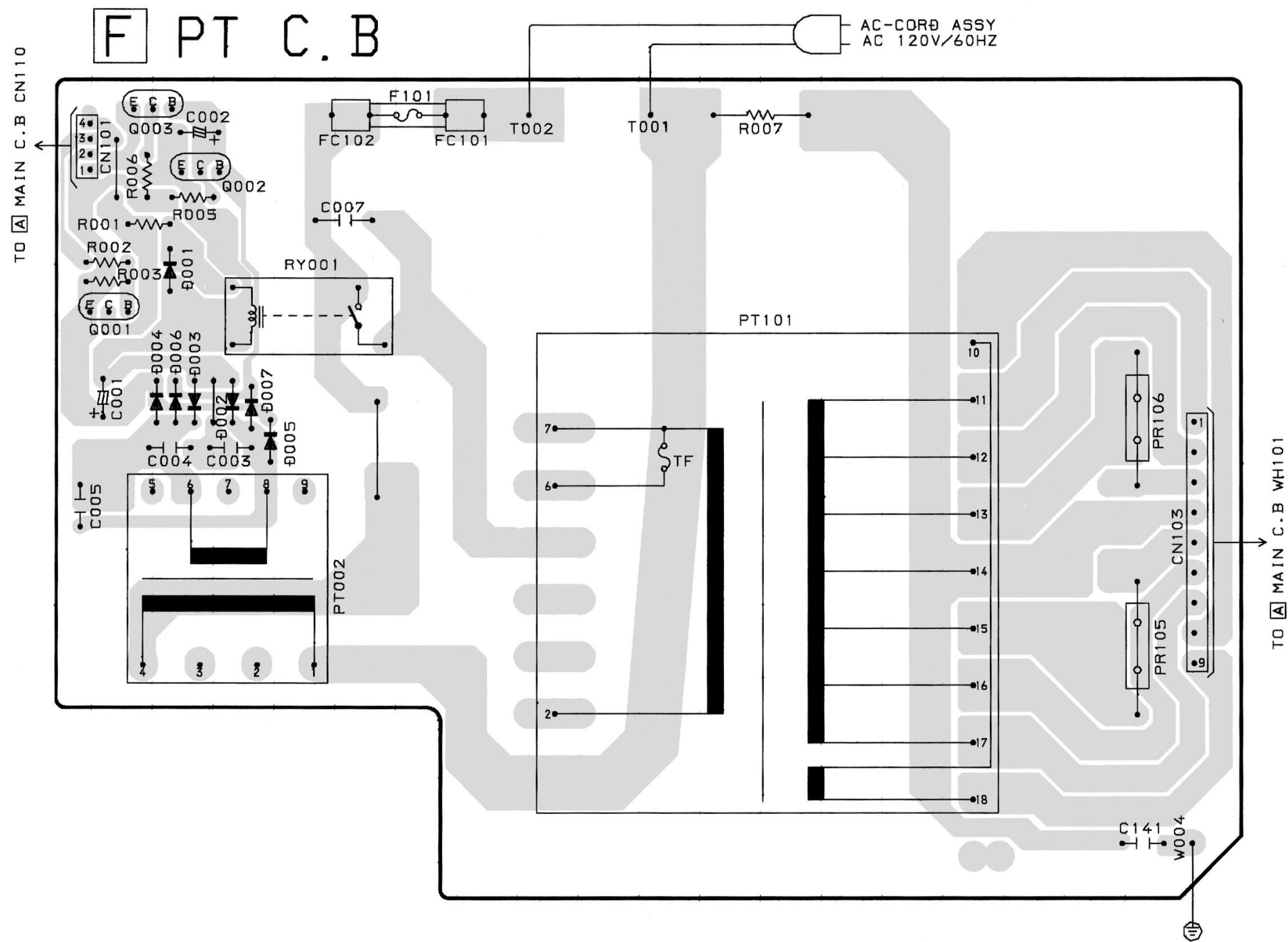
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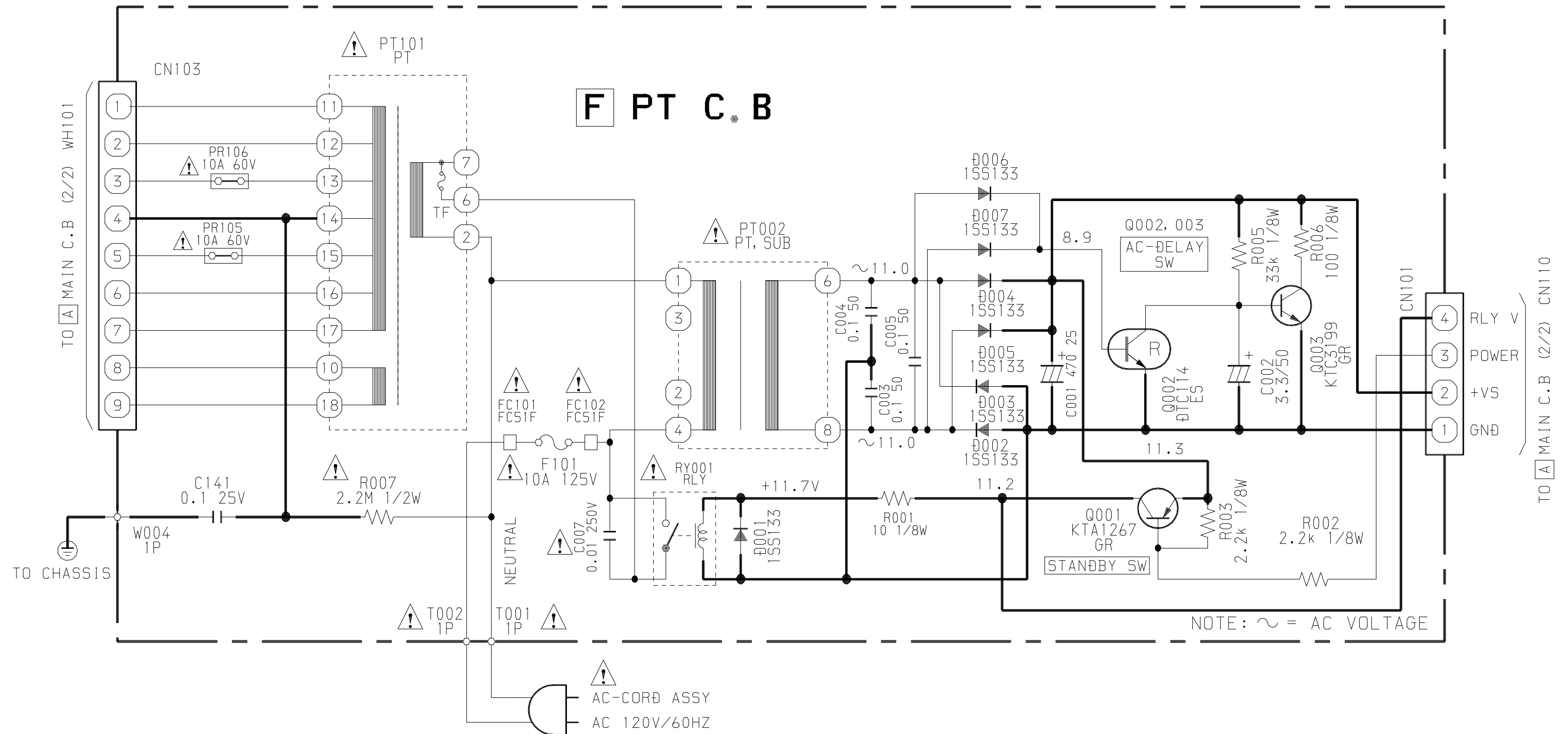
SCHEMATIC DIAGRAM - 5 (VOLUME / VIDEO)



32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
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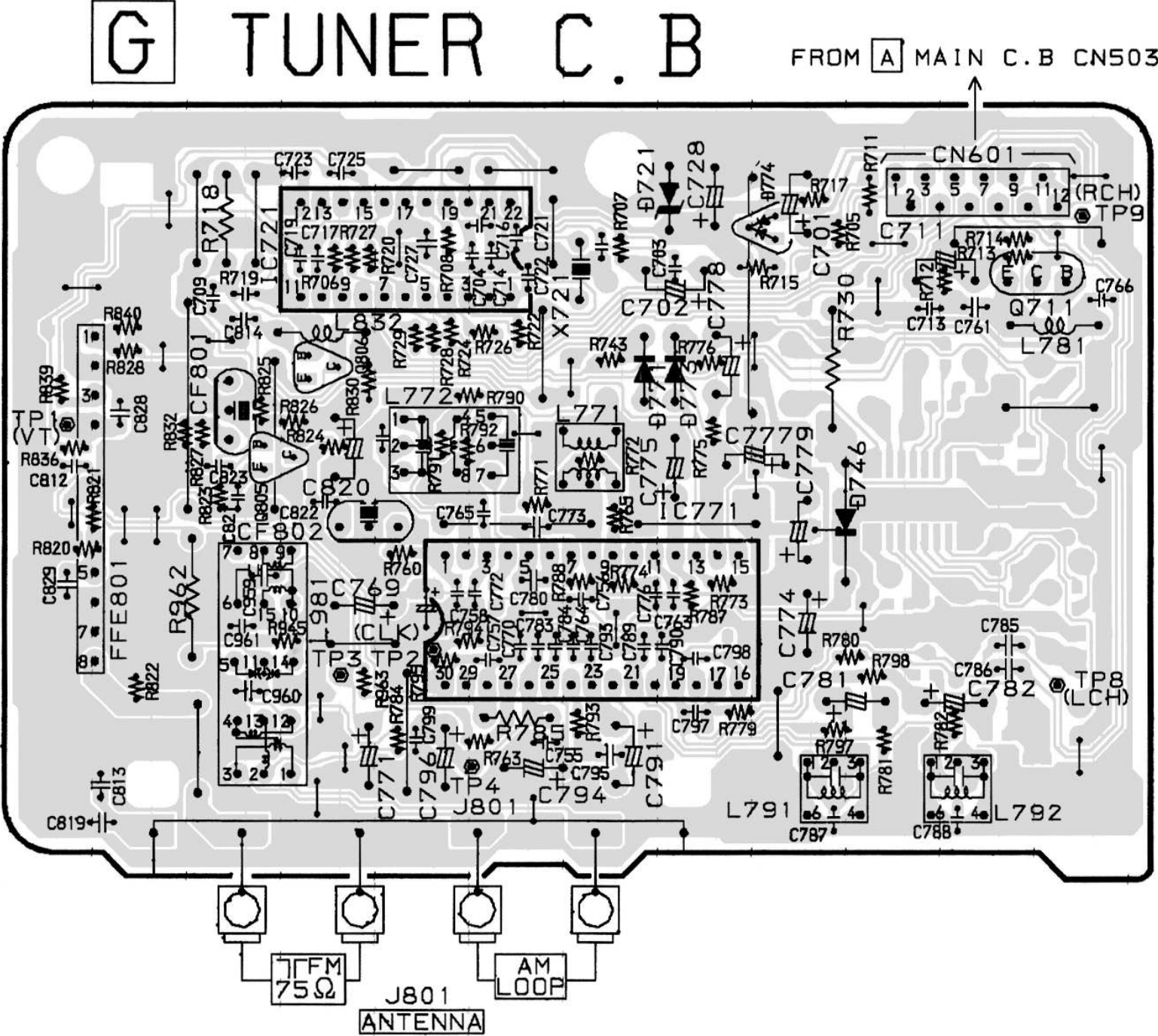


SCHEMATIC DIAGRAM - 6 (PT)

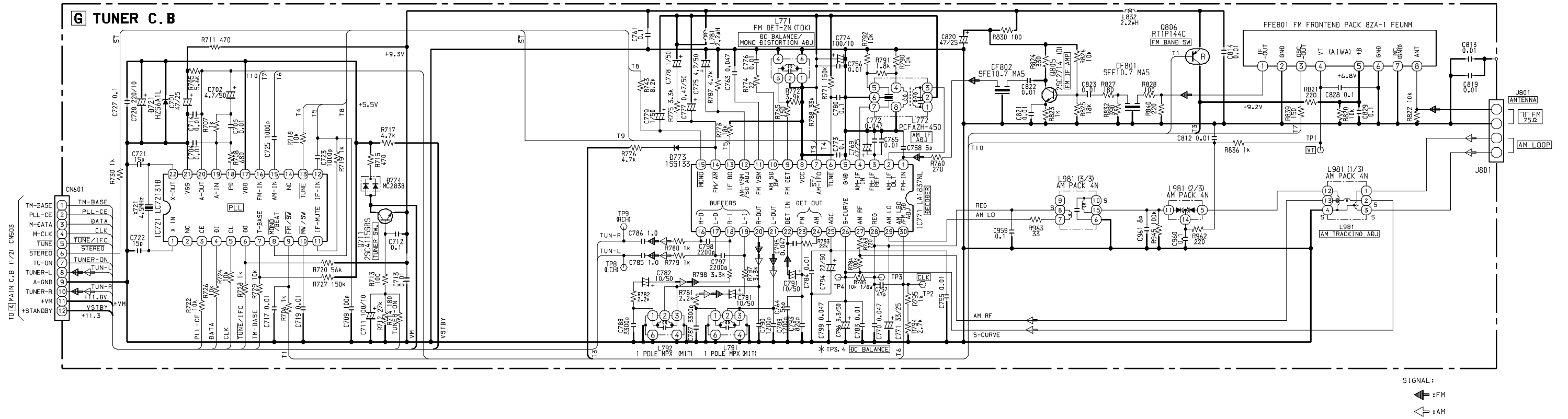




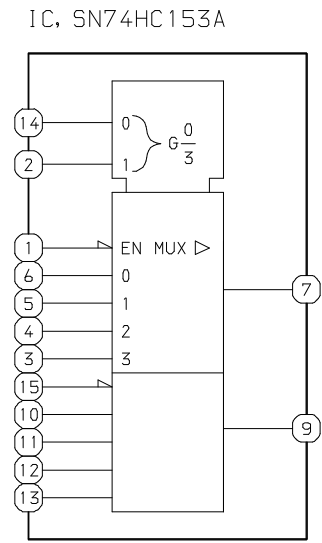
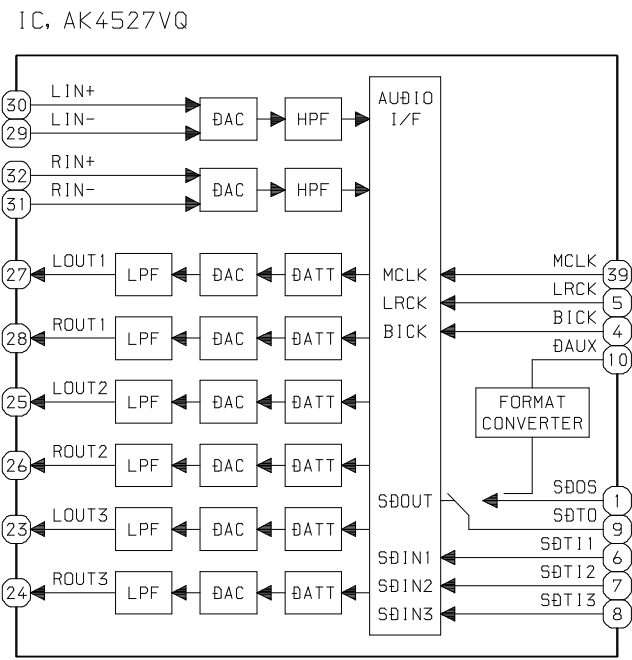
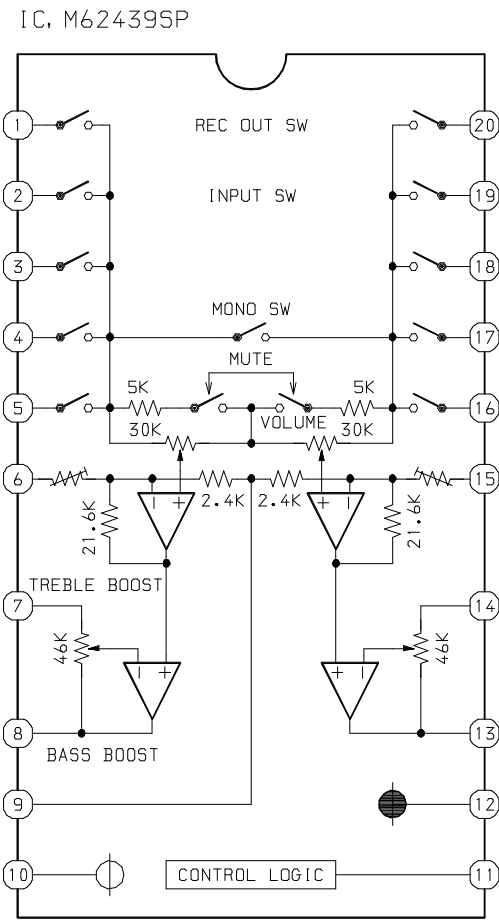
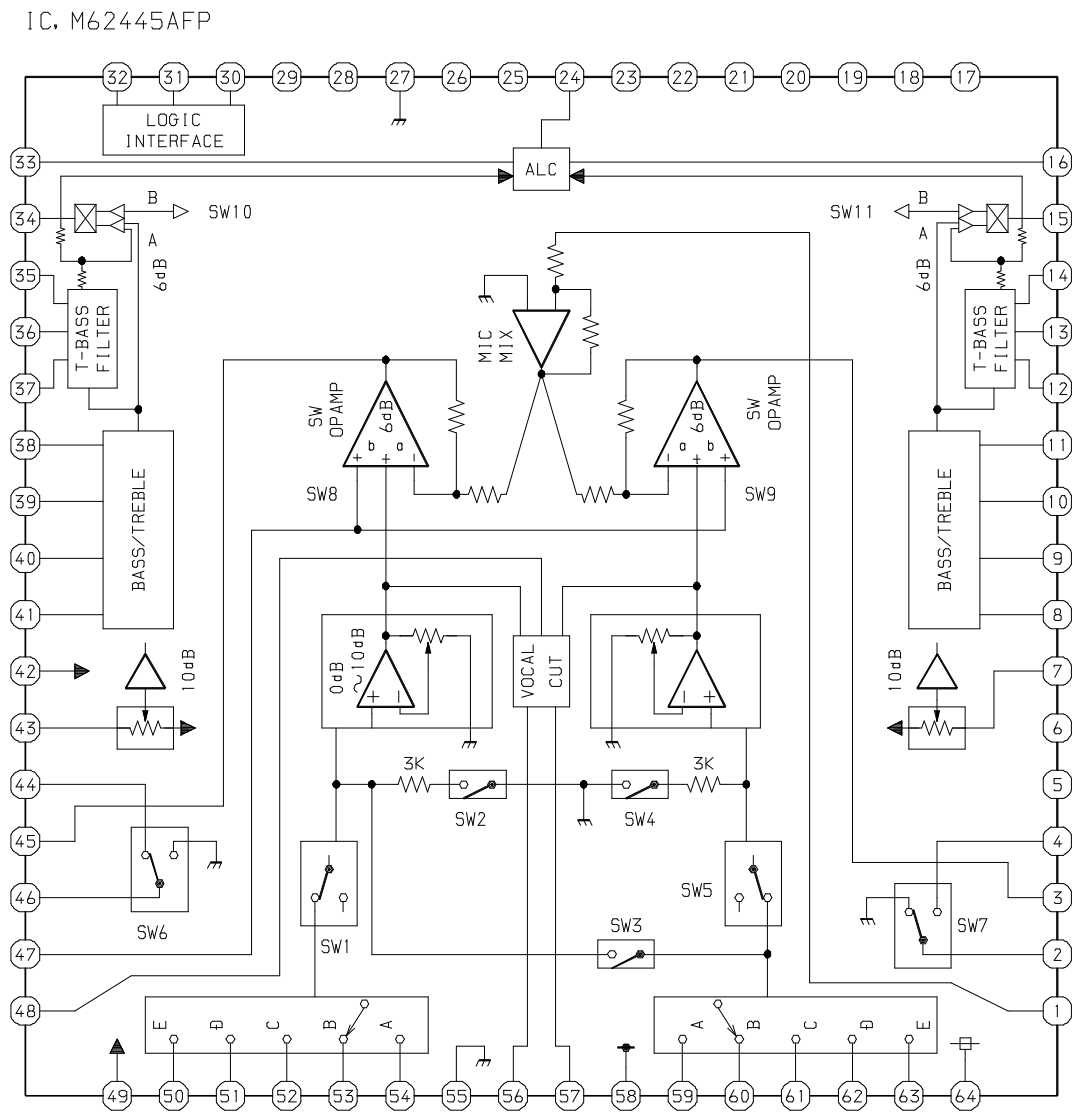
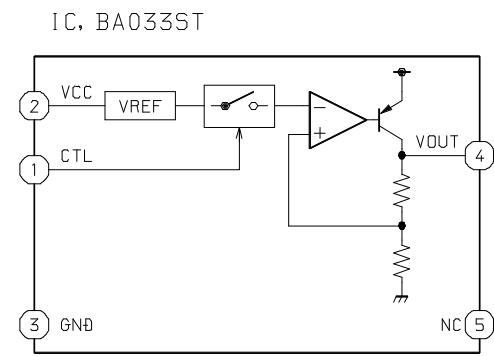
32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
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### SCHEMATIC DIAGRAM - 7 (TUNER)



IC BLOCK DIAGRAM

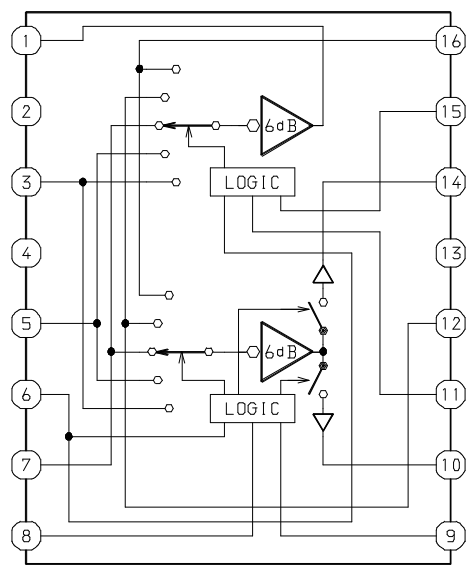


FUNCTION TABLE

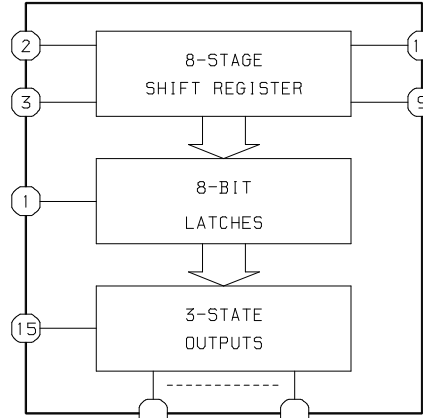
SELECT		DATA				$\bar{G}$	OUTPUT Y
B	A	C0	C1	C2	C3		
X	X	X	X	X	X	H	L
L	L	L	X	X	X	L	L
L	L	H	X	X	X	L	H
L	H	X	L	X	X	L	L
L	H	X	H	X	X	L	H
H	L	X	X	L	X	L	L
H	L	X	X	H	X	L	H
H	H	X	X	X	L	L	L
H	H	X	X	X	H	L	H

H:HIGH LEVEL  
L:LOW LEVEL  
X:IRRELEVANT  
SELECT INPUTS A AND B ARE COMMON TO BOTH SECTIONS.

IC, BA7625



IC, BU4094BCF



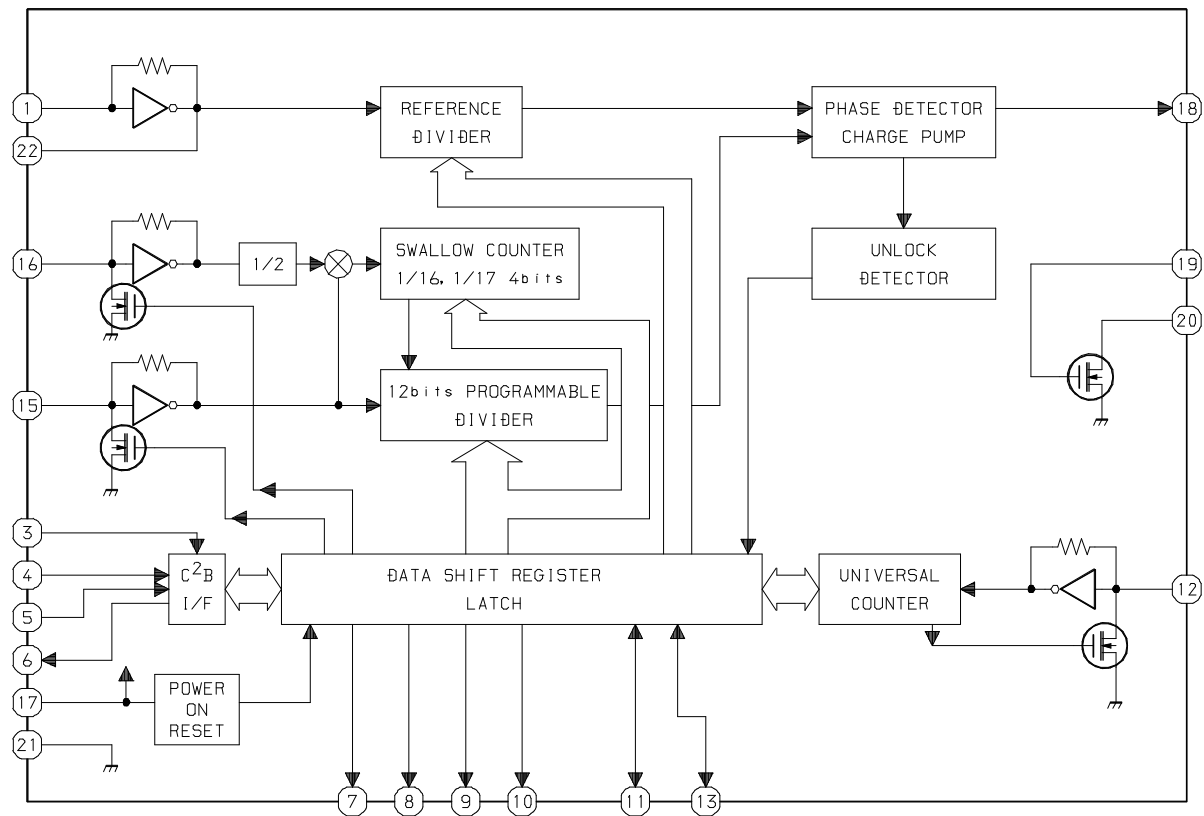
TRUTH TABLE

CLOCK	OUTPUT ENABLE	STROBE	DATA	PARALLEL OUTPUTS		SERIAL OUTPUTS	
				Q1	Qn	Q5	Q'S
	L	x	x	Z	Z	Q7	NO CHG.
	L	x	x	Z	Z	NO CHG.	Q5
	H	L	x	NO CHG.	NO CHG.	Q7	NO CHG.
	H	H	L	L	Qn-1	Q7	NO CHG.
	H	H	H	H	Qn-1	Q7	NO CHG.
	H	x	x	NO CHG.	NO CHG.	NO CHG.	Q5

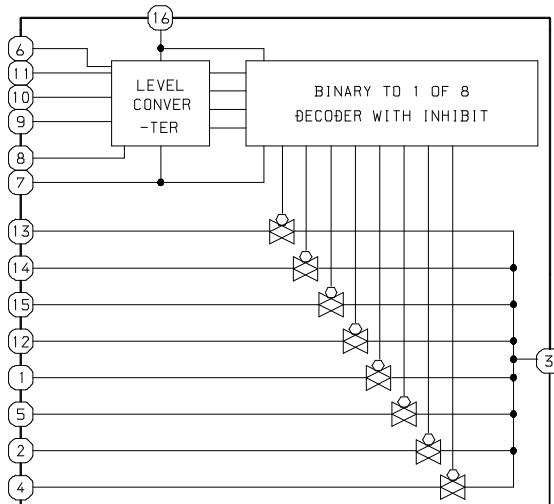
Z = HIGH IMPEDANCE

x = DON'T CARE

IC, LC72131D



IC, HD74HC4051FP

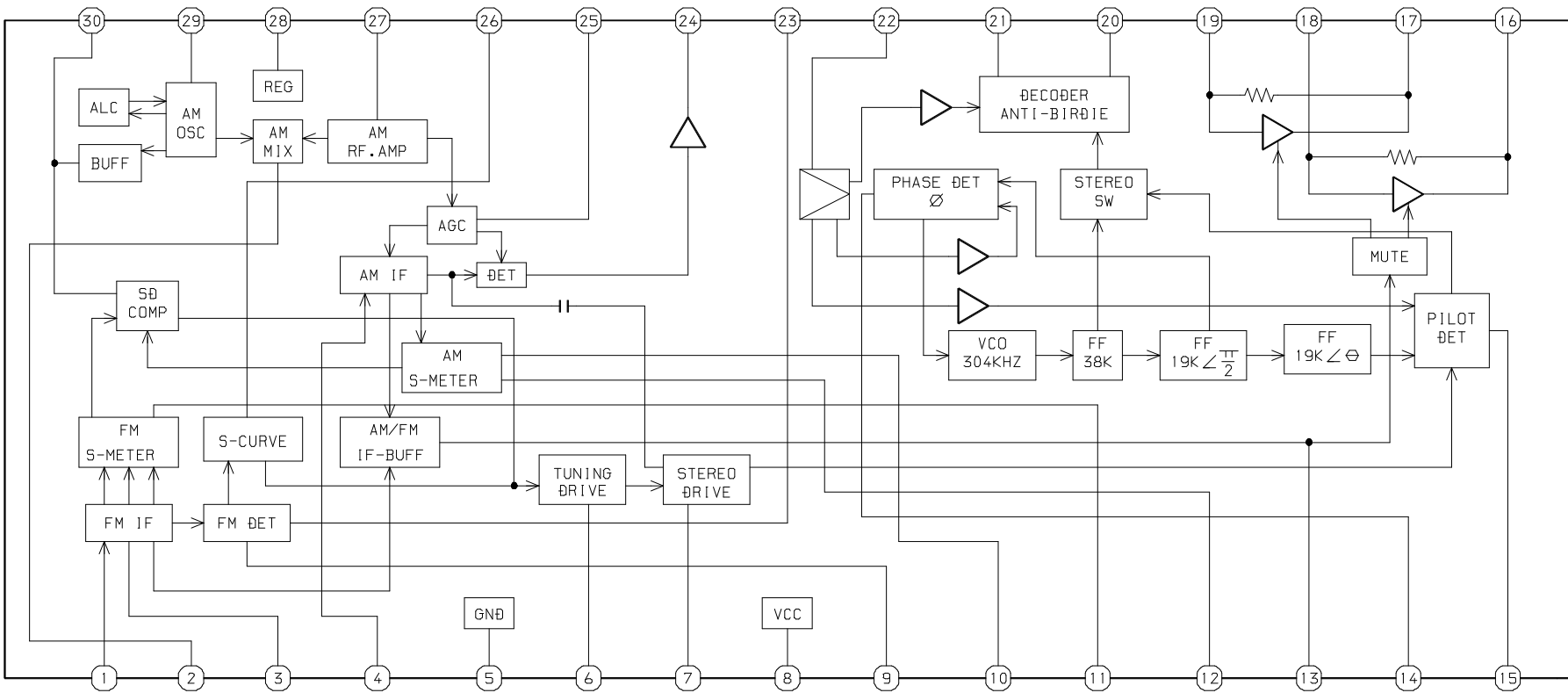


FUNCTION TABLE

CONTROL INPUTS				ON SWITCH
INHIBIT	SELECT			
	C	B	A	
L	L	L	L	X0
L	L	L	H	X1
L	L	H	L	X2
L	L	H	H	X3
L	H	L	L	X4
L	H	L	H	X5
L	H	H	L	X6
L	H	H	H	X7
H	X	X	X	—

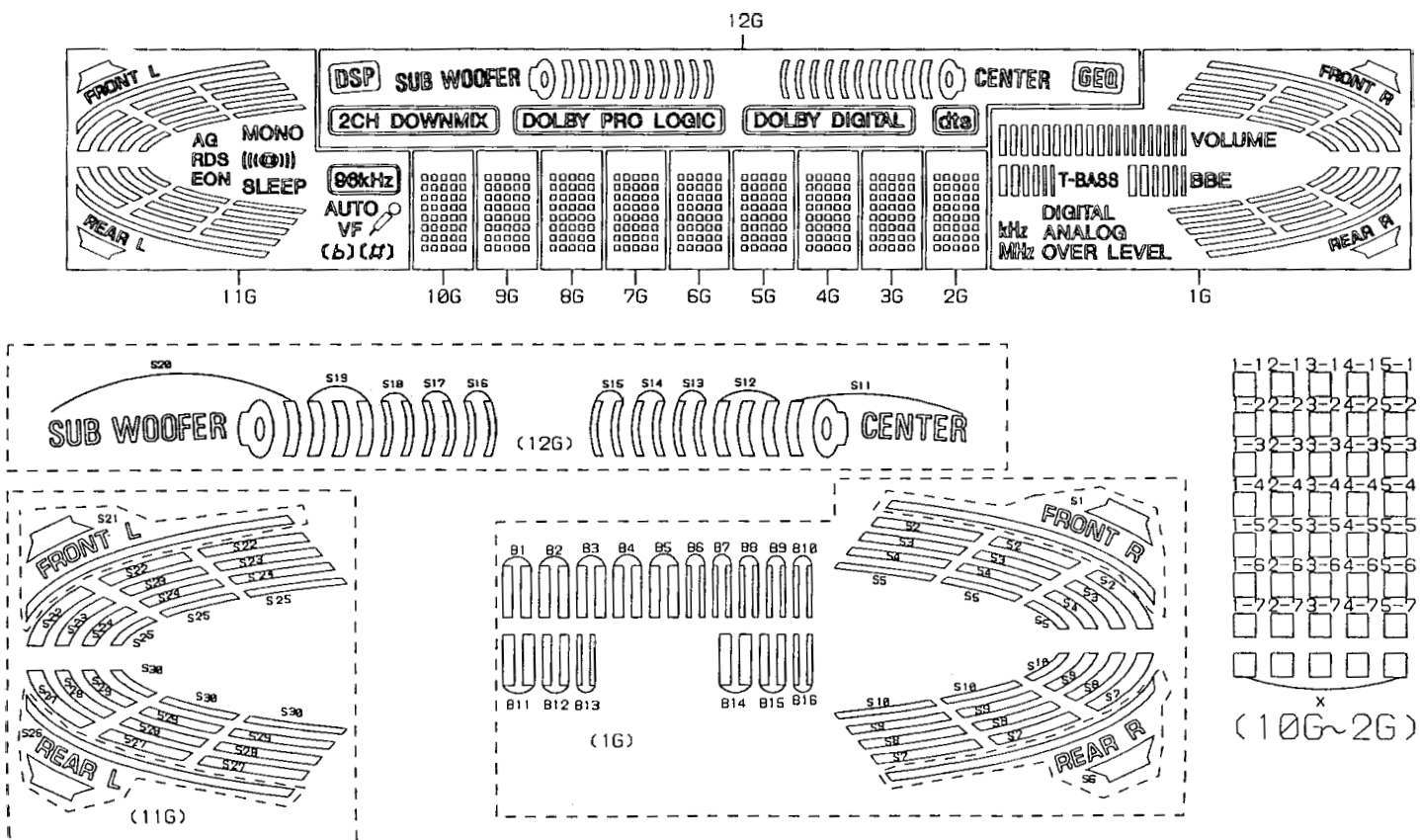
H:HIGH VOLTAGE LEVEL  
L:LOW VOLTAGE LEVEL  
X:IMMATERIAL

IC, LA1837NL














# FL (BJ759GK) GRID ASSIGNMENT AND ANODE CONNECTION

## GRID ASSIGNMENT



# ANODE CONNECTION

	12G	11G	10G~2G	1G
P1		-	1-1	-
P2		-	2-1	B1
P3		-	3-1	B2
P4	S11	-	4-1	B3
P5	S12	-	5-1	B4
P6	S13	-	1-2	B5
P7	S14	-	2-2	B6
P8	S15	-	3-2	B7
P9		-	4-2	B8
P10		-	5-2	B9
P11	S16	-	1-3	B10
P12	S17	-	2-3	VOLUME
P13	S18	-	3-3	B11
P14	S19	-	4-3	B12
P15	S20	-	5-3	B13
P16		MONO	1-4	T-BASS
P17	-	AG	2-4	B14
P18	-		3-4	B15
P19	-	RDS	4-4	B16
P20	-	SLEEP	5-4	BBE
P21	-	EON	1-5	DIGITAL
P22	-		2-5	ANALOG
P23	-	AUTO	3-5	OVER LEVEL
P24	-	VF 	4-5	kHz
P25	-		5-5	MHz
P26	-		1-6	-
P27	-	S25	2-6	S5
P28	-	S24	3-6	S4
P29	-	S23	4-6	S3
P30	-	S22	5-6	S2
P31	-	S21	1-7	S1
P32	-	S30	2-7	S10
P33	-	S29	3-7	S9
P34	-	S28	4-7	S8
P35	-	S27	5-7	S7
P36	-	S26	X	S6

## IC DESCRIPTION

IC, UPD780228GF-071

Pin No.	Pin Name	I/O	Description
1	$\overline{\text{O-K-SCAN}}$	O	Switch scan timing output.
2	O-PLL-CE	O	PLL IC chip enable output.
3	O-DATA(M)	O	Data output for sound.
4	$\overline{\text{I-TUNE/IFC}}$	I	TUNE-IF count serial data input.
5	O-STB(M)	O	Latch strobe output for sound CTRL.
6	O-MUTE	O	System mute ON/OFF output.
7	O-CLK(M)	O	Clock output.
8	O-OSD-CE	-	Not used.
9	$\overline{\text{O-POWER}}$	O	System power supply ON/OFF output.
10	O-DSP-CE	-	Not used.
11	O-STB-31	O	GEQ IC chip enable output.
12	I-TM-BASE	I	Reference clock input for timer watch.
13	O-TC4094-CE	O	Shift register chip enable output.
14	O-A45- $\overline{\text{CS}}$	O	AK4527 chip select.
15	O-A45-DATA	O	AK4527 control data.
16	O-A45-CLK	O	AK4527 control data clock.
17	IC	-	Connected to GND.
18	VSS	-	GND.
19	VDD	-	Power supply input.
20	O-Y917- $\overline{\text{RST}}$	O	YSD917 initial clear output.
21	O-Y917- $\overline{\text{CS}}$	O	YSD917 chip select output.
22	O-Y902-SCK	O	YSS902 & YSD917 bit clock output.
23	O-Y902-SI	O	YSS902 data output.
24	I-Y902-SO	I	YSS902 data input.
25	O-Y902- $\overline{\text{CS}}$	O	YSS902 chip select output.
26	O-Y902- $\overline{\text{CSB}}$	O	YSS902 sub DSP chip select output.
27	O-A45-PDN	-	Not used.
28	I-RDS-CLK	-	Not used.
29	I-RDS-DATA	-	Not used.
30	$\overline{\text{RESET}}$	I	Reset input.
31	O-CONT1	O	Master VOL CTRL output for surround left & right.
32	O-CONT2	O	Master VOL CTRL output for center & sub woofer.
33	OSD-CLK	-	Not used.
34	$\overline{\text{I-RMC}}$	I	System remote control signal input.
35	OSD-DATA	-	Not used.
36	C-SHIFT	O	Micon clock shift output.
37	VDD1	-	Power supply input.
38, 39	X2, X1	-	4.19 MHz oscillator circuit.
40	VSS1	-	GND.
41	AVDD	-	Power supply input.
42	$\overline{\text{HOLD}}$	I	Power failure detected input "L" to stop and hold memory.
43	I-RE-VOL	I	Rotary encoder signal input (Main vol L & R).

Pin No.	Pin Name	I/O	Description
44	I-RDS-SIG/ SYNC-DET	-	Not used.
45	I-JOG2	I	Rotary encoder signal input (Multi jog).
46	I-FU-JOG1	I	Rotary encoder signaal input (Func jog).
47	I-KEY2	I	Key input (A/D).
48	I-KEY1	I	Key input (A/D).
49	I-MULTI-LEVEL	I	Multi Level meter input.
50	AVSS	-	GND.
51~58	P36~P29	O	FL segment P36~P29 output.
59	P28/GEQ	O/I	FL segment P28 output / GEQ data input to diode.
60	P27/LW	O/I	FL segment P27 output / LW mode data input to diode (Not used).
61	P26/DIGITAL-IN2	O/I	FL segment P26 output / Digital input data input to diode (VIDEO1, VIDEO2 only) (Not used).
62	P25/RDS	O/I	FL segment P25 output / RDS data input to diode (Not used).
63	P24/BBE	O/I	FL segment P24 output / BBE data input to diode.
64	P23/AMST/WIDE	O/I	FL segment P23 output / AM stereo, wide band data input to diode (Not used).
65	P22/AM10K	O/I	FL segment P22 output / AM10kHz step data input to diode.
66	P21/KARAOKE	O/I	FL segment P21 output / KEY CON data input to diode (Not used).
67	P20/OSD	O/I	FL segment P20 output / OSD data input to diode (Not used).
68	P19/AC-3	O/I	FL segment P19 output / DOLBY DIGITAL data input to diode.
69	P18DIGITAL-IN1	O/I	FL segment P18 output / Digital input data input to diode (VIDEO1, VIDEO2, VIDEO3, CD) (Not used).
70	P17/96kHz	O/I	FL segment P17 output / 96kHz data input to diode.
71	P16/DTS	O/I	FL segment P16 output / DTS data input to diode (Not used).
72	P15/DSP	O/I	FL segment P15 output / DSP data input to diode.
73	P14	O	FL segment P14 output.
74	P13/STEREO	O/I	FL segment P13 output / Tuner stereo detected input.
75	P12/HP-MUTE	O/I	FL segment P12 output / Headphone mute detected.
76	P11/I-MIC	O/I	FL segment P11 output / Mic input detected input.
77,78	P10,P9	O	FL segment P10, P9 output.
79	VDD2	-	Power supply input.
80	-VFL	-	Power supply input for FL display.
81	P8	O	FL segment P8 output.
82	P7	O	FL segment P7 output.
83	P6	O	FL segment P6 output.
84	P5	O	FL segment P5 output.
85~88	P4~P1	O	FL segment P4 ~ P1 output.
89~100	G12~G1	O	FL grid output G12 ~ G1.



## IC, YSS902

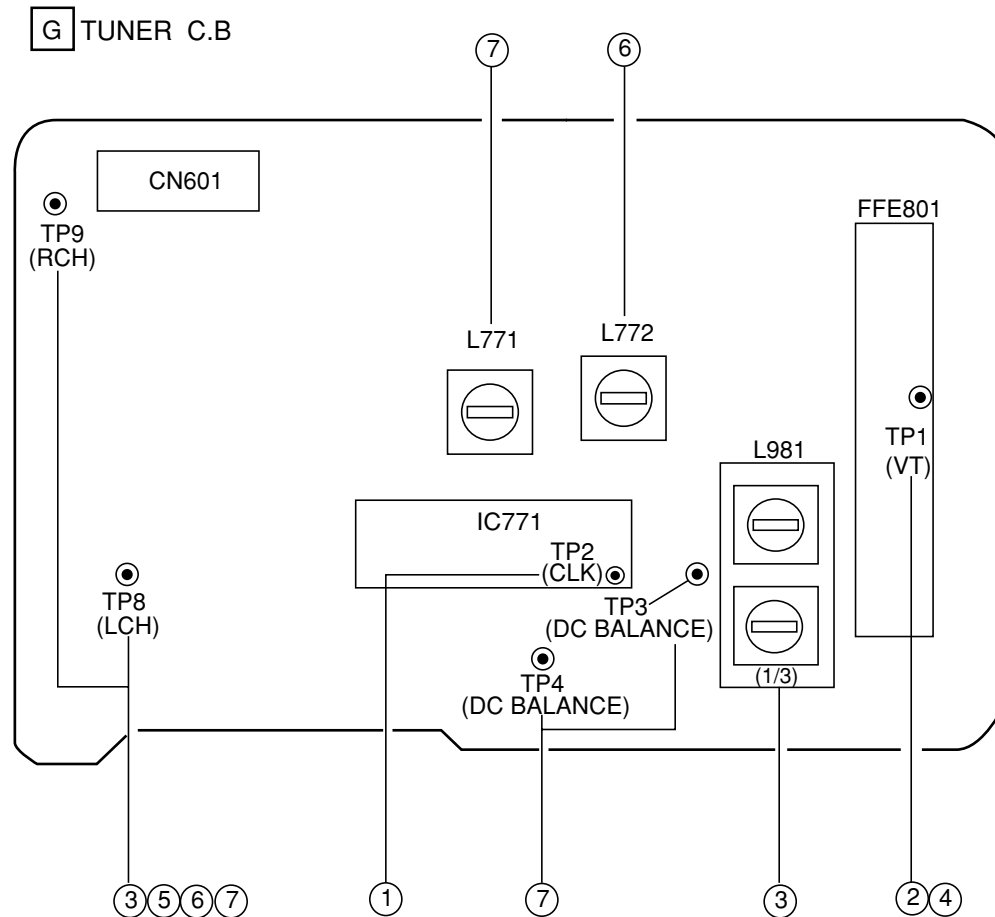
Pin No.	Pin Name	I/O	Description
1	VDD1	-	+5V power supply for (I/Os).
2	RAMCEN	O	External SRAM Interface / CE. (Not used)
3	RAMA16	O	External SRAM Interface address 16. (Not used)
4	RAMA15	O	External SRAM Interface address 15. (Not used)
5~7	SDIB0~2	I	PCM input 0~2 to Sub DSP. (Not used)
8	XI	I	Crystal oscillator connection or input external clock (6.125MHz - 50.0MHz).
9	XO	O	Crystal oscillator connection.
10	VSS	-	Ground.
11	AVDD	-	+3.3V power supply (for PLL circuit).
12~14	TEST	-	Test terminal. (Not used)
15	OVFB	O	Detection of overflow at Sub DSP. (Not used)
16~18	TEST	-	Test terminal. (Not used)
19	CPO	O	Output terminal for PLL, to be connected to ground through the external analog filter circuit.
20	AVSS	-	Ground (for PLL circuit).
21	VDD2	-	+3.3V power supply (for core logic).
22	SDOA2	O	PCM output from Main DSP (C, LFE). (Not used)
23	SDOA1	O	PCM output from Main DSP (LS, RS). (Not used)
24	SDOA0	O	PCM output from Main DSP (L, R). (Not used)
25~29	RAMA14~10	O	External SRAM Interface address 14 ~ 10. (Not used)
30	VSS	-	Ground.
31	VDD1	-	+5V power supply (for I/Os).
32	OPORT0	O	Output port for general purpose. (Not used)
33~35	OPORT1~3	O	Output port for general purpose.
36	OPORT4	O	Output port for general purpose.
37	OPORT5	O	Output port for general purpose. (Not used)
38	OPORT6 A	O	Output port for general purpose.
39	OPORT7 B	O	Output port for general purpose.
40	VSS	-	Ground.
41	VDD2	-	+3.3V power supply (for core logic).
42~44	RAMA9~7	O	External SRAM interface address 9~7. (Not used)
45~47	SDOB2~0	O	PCM output from Sub DSP.
48	SDBCK1	I	Bit clock input for SDOA, SDIB, SDOB. (Not used)
49	SDWCK1	I	Word clock input for SDOA,SDIB,SDOB. (Not used)
50	VSS	-	Ground.
51	VDD2	-	+3.3V power supply (for core logic).
52	NONPCM	O	Detection of non-PCM data. (Not used)
53	CRC	O	Detection of CRC error. (Not used)
54	MUTE	O	Detection of auto mute. (Not used)
55	KARAOKE	O	Detection of AC-3 karaoke data. (Not used)
56	SURENC	O	Detection of AC-3 2/0 mode Dolby surround encoded input. (Not used)
57	/SDBCK0	O	Inverted SDBCK0 clock output . (Not used)
58,59	RAMA6,5	O	External SRAM Interface address 6, 5. (Not used)

Pin No.	Pin Name	I/O	Description
60	VSS	-	Ground.
61	RAMA4	O	External SRAM Interface address 4. (Not used)
62	/IC	I	Initial clear.
63	TEST	-	Test terminal (Not used).
64	RAMA3	O	External SRAM Interface address 3. (Not used)
65	/CSB	I	Sub DSP Chip select.
66	/CS	I	Microprocessor interface Chip select.
67	SO	O	Microprocessor interface Serial data output.
68	SI	I	Microprocessor interface / Sub DSP Serial data input.
69	SCK	I	Microprocessor interface / Sub DSP clock input.
70	RAMA2	O	External SRAM Interface address 2. (Not used)
71	VDD1	-	+5V power supply (for I/Os).
72~79	RAMD0~7	I/O	External SRAM Interface data (STREAM0~7 output when External SRAM is not in use). (Not used)
80	VSS	-	Ground.
81	VDD2	-	+3.3V power supply (for core logic).
82	SDWCK0	I	Word clock input for SDIA, SDOA, SDIB, SDOB.
83	SDBCK0	I	Bit clock input for SDIA, SDOA, SDIB, SDOB.
84	SDIA0	I	AC-3 bitstream (or PCM ) data input for Main DSP.
85	SDIA1	I	AC-3 bitstream (or PCM ) data input for Main DSP.
86,87	RAMA1,0	O	External SRAM Interface address 1, 0. (Not used)
88	RAMWEN	O	External SRAM Interface / WE. (Not used)
89	RAMOEN	O	External SRAM Interface / OE. (Not used)
90	VSS	-	Ground.
91	VDD2	-	+3.3V power supply (for core logic).
92~99	IPORT7~0	I	Input port for general purpose.
100	VSS	-	Ground.

## IC, YSD917

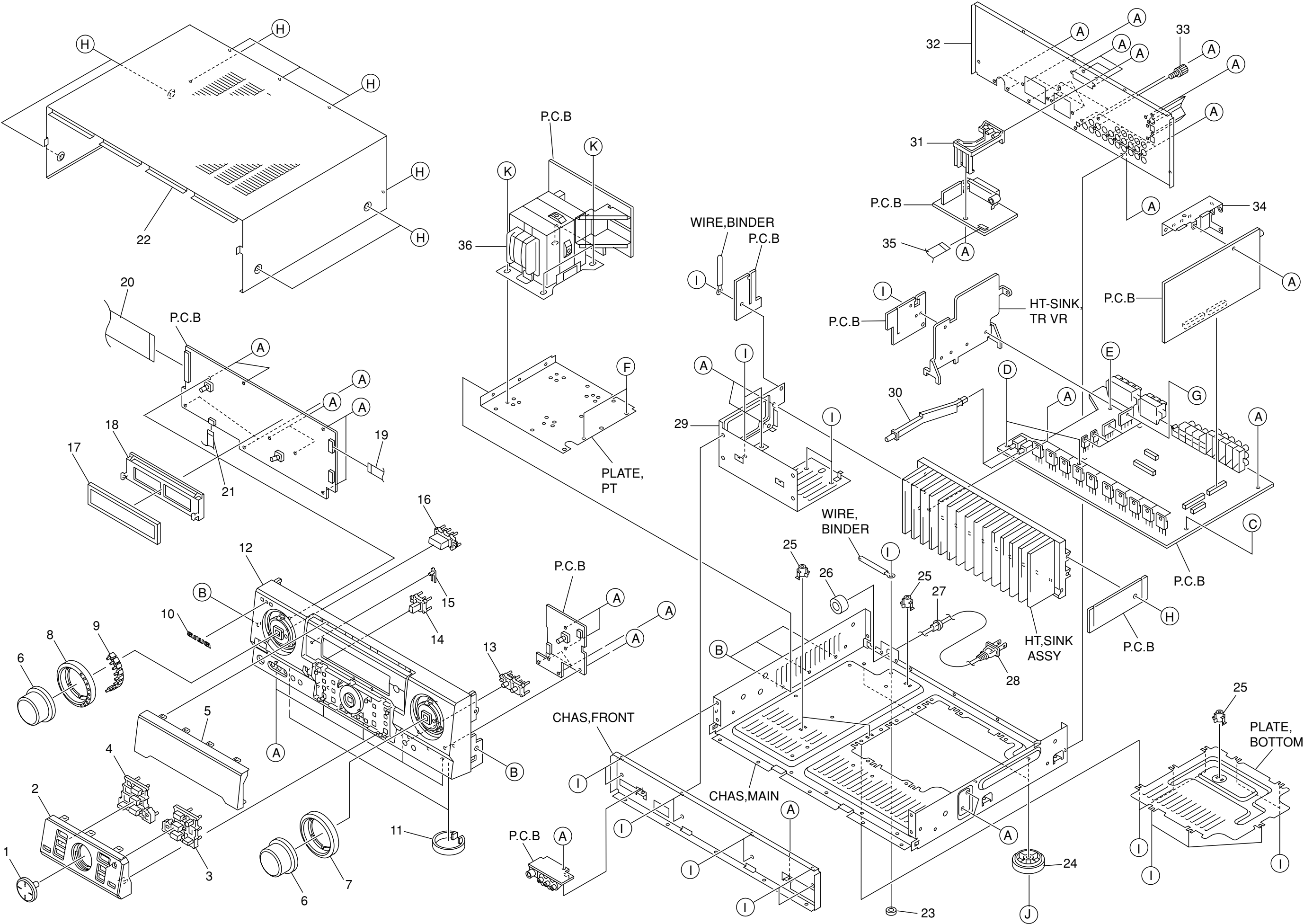
Pin No.	Pin Name	I/O	Description
1	AVDD	-	Analog power supply for PLL (+5V).
2	PCO	-	PLL filter connection terminal.
3	AVSS	-	Analog ground.
4	M/S	I	Master / slave mode selection. (Not used)
5	DDIN	I	Digital audio interface data input.
6	TEST	I	Test terminal (To be open). (Not used)
7	/IC	I	Initial clear input.
8	VSS	-	Ground.
9	XO	O	24.576MHz crystal oscillator connection output terminal.
10	XI	I	24.576MHz crystal oscillator connection input terminal.
11	MCK	O	12.288MHz clock output.
12	VDD	-	+5V power supply.
13	SDO	O	Serial data output.
14	SDBCK	I/O	Serial data bit clock input / output (64 fs).
15	SDWCK	I/O	Serial data word clock input / output (fs).
16	SDMCK	O	Serial data master clock output (256 fs or 128 fs).
17	VSS	-	Ground.
18	SYNC/U	O	Serial data synchronization timing output / User data output. (Not used)
19	FS128/C	O	Serial data master clock 128 fs output / Channel status output. (Not used)
20	DBL/V	O	Double rate output / Validity flag output.
21	ERR/BS	O	Data error detection output / Block start output. (Not used)
22	/LOCK	O	PLL lock detection output.
23	INT	O	Interrupt output.
24	VDD	-	+5V power supply.
25	/CS	I	Microcomputer interface chip select input.
26	SO	O	Microcomputer interface data output.
27	SI	I	Microcomputer interface data input.
28	SCK	I	Microcomputer interface bit clock input.

## ADJUSTMENT <TUNER>



### < TUNER SECTION >

1. Clock Check  
Settings : • Test point : TP2(CLK)  
Method : Set to AM 1710kHz and check that the test point is  $2160\text{kHz} \pm 45\text{Hz}$ .
2. AM VT Check  
Settings : • Test point : TP1(VT),  
Method : Set to AM 1710kHz, AM 530kHz and check that the test point is less than 8.5V(1710kHz) and more than 0.6V(530kHz).
3. AM Tracking Adjustment  
Settings : • Test point : TP8(Lch), TP9(Rch)  
• Adjustment location :  
L981(1/3) ..... 1000kHz  
Method : Set to MW 1000kHz and adjust L981(1/3) so that the test point is max.
4. FM VT Check  
Settings : • Test point : TP1(VT)  
Method : Set to FM 108.0MHz and check that the test point is less than 8.0V.  
Then set to FM 87.5MHz and check that the test point is more than 0.5V.
5. FM Tracking Check  
Settings : • Test point : TP9(Lch), TP9(Rch)  
Method : • Set to FM 98.0MHz and check that the test point is less than 9.0dB.
6. AM IF Adjustment  
Settings : • Test point : TP8(Lch), TP9(Rch)  
• Adjustment location :  
L772 ..... 450kHz
7. DC Balance / Mono Distortion Adjustment  
Settings : • Test point : TP3, TP4 (DC Balance)  
TP8(Lch), TP9(Rch) (Distortion)  
• Adjustment location : L771  
• Input level : 60dB $\mu$ V  
Method : Set to FM 98.0MHz and adjust L771 so that the voltage between TP3 and TP4 becomes  $0\text{V} \pm 0.04\text{V}$ .  
Next, check that the distortion is less than 1.3%.



# MECHANICAL PARTS LIST 1 / 1

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8A-AR3-006-010		KNOB,RTRY JOG	26	87-003-317-010		F-BEAD,F0H2515-LG7
2	8A-AR3-003-010		PANEL,FR U	27	87-085-189-010		BUSHING, CORD (U)
3	8A-AR3-013-010		KEY,ASSY,ENTER	28	87-A80-110-010		AC CORD ASSY,U SPT-2W
4	8A-AR3-012-010		KEY,ASSY,DOLBY	29	8Z-AR1-205-010		HLDR,HT-SINK
5	8A-AR2-005-010		WINDOW,DISP DIGI	30	8A-AR3-011-010		BTN,SP
6	8A-AR3-045-010		KNOB,RTRY VOL	31	88-AR1-203-010		HLDR,TU
7	8A-AR3-007-010		RING,VOL	32	8A-AR2-011-010		PANEL,REAR UBM 67
8	8A-AR3-047-010		RING,FUN	33	87-033-209-010		TERMINAL, EARTH
9	8A-AR3-009-010		REFLECTOR,FUN	34	8Z-AR1-219-010		HLDR,PWB PRO
10	87-CE3-023-010		BADGE,AIWA 30N SILV	35	88-912-161-110		FF-CABLE,12P 1.25 160MM
11	8Z-AR1-020-110		RING,FOOT SIL	36	8Z-AR3-601-010		PT,ZAR-3 (U)
12	8A-AR2-003-010		CABI,FR U 67	A	87-067-703-010		TAPPING SCREW, BVT2+3-10
13	8A-AR3-024-010		KEY,BAL	B	87-591-095-410		TAPPING SCREW, QIT+3-8 (GLD)
14	8A-AR3-020-010		KEY,ECO	C	87-067-633-010		TAPPING SCREW, BVT2+3-8
15	8A-AR3-010-010		REFLECTOR,ECO	D	87-067-581-010		TAPPING SCREW, BVT2+3-15
16	8A-AR3-021-010		KEY,POWER	E	87-067-632-010		TAPPING SCREW, BVT2+3-15
17	8A-AR1-602-010		FL,BJ759GK	F	87-067-585-010		TAPPING SCREW, BVTT+4-6
18	8A-AR3-201-010		GUIDE,FL	G	87-067-579-010		TAPPING SCREW, BVT2+3-8
19	88-912-101-110		FF-CABLE, 12P 1.25 100MM	H	87-067-641-010		UTT2+3-8 (W/O SLOT) BL
20	8A-AR3-643-010		FF-CABLE,32P 1.25 430MM	I	87-067-584-010		TAPPING SCREW, BVT2+3-6
21	88-908-101-110		FF-CABLE, 8P 1.25 10MM	J	87-067-689-010		TAPPING SCREW, BVTT+3-8
22	8A-AR3-025-010		CABI,STEEL	K	87-078-191-010		S-SCREW,IT+4-10
23	8Z-NB8-240-010		COVER, PL				
24	8Z-AR1-021-010		FOOT,REAR				
25	88-AR1-218-010		HLDR,PWB H8.9				

## COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange	GM	Metallic Green
YM	Metallic Yellow	DM	Metallic Orange		

アイワ株式会社 〒110-8710 東京都台東区池之端1-2-11 ☎03(3827)3111 (代表)  
**AIWA CO.,LTD.** 2-11, IKENOHATA 1-CHOME, TAITO-KU, TOKYO 110, JAPAN TEL:03 (3827) 3111